DEPARTMENT OF THE ARMY

Procurement Programs



Committee Staff Procurement Backup Book FY 2001 Budget Estimate

Approved for Public Release Distribution Unlimited

ACTIVITIES 3/4, OTHER SUPPORT EQUIPMENT AND INITIAL SPARES OTHER PROCUREMENT, ARMY

APPROPRIATION

February 2000

20000306 109

Index for OTHER PROCUREMENT, ARMY - Activities 3 & 4

Blin	Nomenclature	SSN	Filename	Page Number
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142	INLAND PETROLEUM DISTRIBUTION SYSTEM	MA5120	57186101.01P	91
143	ITEMS LESS THAN \$5.0M (POL)	ML5330	59034101.01P	96
144	WATER PURIFICATION SYS	R05100	50998101.01P	66
145	ITEMS LESS THAN \$5.0M (WATER EQ)	ML5335	59510101.01P	105
146	COMBAT SUPPORT MEDICAL	MN1000	57500109.01P	108
147	SHOP EQ CONTACT MAINTENANCE TRK MTD (MYP)	M61500	50532100.01P	123
148	WELDING SHOP, TRAILER MTD	M62700	52252100.01P	128
149	ITEMS LESS THAN \$5.0M (MAINT EQ)	ML5345	59562100.01P	134
150	STEAM CLEANER, TRAILER MOUNTED	Se0200	59600100.01P	142
151	MISSION MODULES - ENGINEERING	R02000	51974155.01P	143
152	ROLLER, VIBRATORY, SELF-PROPELLED (CCE)	R03300	53414101.01P	146
153	COMPACTOR, HIGH SPEED	R06600	53760101.01P	151
154	LOADERS	R04500	54134101.01P	155
155	HYDRAULIC EXCAVATOR	X01500	54428101.01P	162
156	DEPLOYABLE UNIVERSAL COMBAT EARTH MOVERS	M10600	54430101.01P	167
157	CRANES	M06700	54732101.01P	172
158	TRUCK, DUMP, 20T (CCE)	R03000	55862101.01P	184
159	CRUSHING/SCREENING PLANT, 150 TPH	M07000	56438101.01P	187
160	CONST EQUIP SLEP	M05500	59120101.01P	191
161	ITEMS LESS THAN \$5.0M (CONST EQUIP)	ML5350	59462101.01P	195
162	PUSHER TUG, SMALL	M44500	51782101.01P	198
163	FLOATING CRANE, 100-250 TON	M32400	53042101.01P	203
164	LOGISTIC SUPPORT VESSEL (LSV)	M11200	53462101.01P	208
165	LOGISTICS SUPPORT VESSEL (ESP)	M11201	53463101.01P	213
166	CONTAINERIZED MAINTENANCE FACILITY	M11300	54400101.01P	217
167	CAUSEWAY SYSTEMS	R97500	54512101.01P	220
168	RAILWAY CAR, FLAT, 89 FOOT	M37000	54932101.01P	225

Index for OTHER PROCUREMENT, ARMY - Activities 3 & 4

Blin	Nomenclature	SSN	Filename	Page Number
160	ITEMS ESS THAN \$5 0M (FLOAT/RAIL)	ML5355	59552101.01P	230
170	GENERATORS AND ASSOCIATED EQUIP	MA9800	50426151.01P	234
171	ROUGH TERRAIN CONTAINER HANDLER, 53,000 LBS	M41200	55382101.01P	268
172	ALL TERRAIN LIFTING ARMY SYSTEM	M41800	57240101.01P	273
173	ROUGH TERRAIN CONTAINER CRANE	00600X	57846101.01P	278
174	ITEMS LESS THAN \$5.0M (MHE)	ML5365	59254101.01P	283
175	COMBAT TRAINING CENTERS SUPPORT	MA6600	51780113.01P	286
176		NA0100	52062113.01P	303
177	CLOSE COMBAT TACTICAL TRAINER	NA0170	56542113.01P	328
178	AVIATION COMBINED ARMS TACTICAL TRAINER (AVCATT)	NA0173	56800113.01P	334
179	FIRE SUPPORT COMBINED ARMS TACTICAL TRAINER	NA0174	56610113.01P	338
180	CALIBRATION SETS EQUIPMENT	N10000	50100147.01P	344
181	INTEGRATED FAMILY OF TEST EQUIPMENT (IFTE)	MB4000	50200147.01P	351
182	TEST EQUIP MODERNIZATION (TEMOD)	N11000	50600147.01P	373
183	ARMY DIAGNOSTICS IMPROVEMENT PROGRAM (ADIP)	N11400	50640147.01P	382
184	RECONFIGURABLE SIMULATORS	KA6000	50020113.01P	390
185	PHYSICAL SECURITY SYSTEMS (OPA3)	MA0780	50050153.01P	391
186	SYSTEM FIELDING SUPPORT (OPA-3)	MA0070	50120156.01P	400
187	BASE LEVEL COM'L EQUIPMENT	MB7000	50312156.01P	401
188	MODIFICATION OF IN-SVC EQUIPMENT (OPA-3)	MA4500	51110156.01P	402
189	PRODUCTION BASE SUPPORT	MA0450	51222144.01P	421
190	BUILDING, PRE-FAB, RELOCATABLE	MA9160	51500156.01P	422
193	SPECIAL EQUIPMENT FOR USER TESTING	MA6700	51572113.01P	425
192	MA8975	MA8975	59219156.01P	431
194	INITIAL SPARES - TSV	DS1000	50201107.01P	432
195	INITIAL SPARES - C&E	BS9100	50202107.01P	433
196	INITIAL SPARES - OTHER SUPPORT EQUIP	MS3500	50203107.01P	435

Activity: 3. **OTHER SUPPORT EQUIPMENT**

		r	(DOLS)						
NO NO	ITEM NOMENCLATURE	₽	FY 00 UNIT		FY 99		FY 00		FY 01
:			COST	QTY	COST	QTY	COST	QTY	COST
(1)	(2)	ල	(4)	(2)	(8)	(6)	(10)	(11)	(12)
	CHEMICAL DEFENSIVE EQUIPMENT			-					
114	GEN SMOKE MECH: MTRZD DUAL PURPOSE M56 (MX0600)			75	14,909	17	6,259	48	11,369
115	GENERATOR, SMOKE, MECH M58 (M99107)	⋖		28	10,481		3,405		5,585
116	M6 DISCHARGER (G71300)					1,878	3,025		
117	ITEMS LESS THAN \$5.0M (SMOKE OBSCURANT) (ML5310)				4,572				
	SUB-ACTIVITY TOTAL				29,962		12,689		16,954
	BRIDGING EQUIPMENT								
118	HEAVY DRY SUPPORT BRIDGE SYSTEM (G82400)					ო	15,326	4	19,224
119	RIBBON BRIDGE (MA8890)				9,558		25,345		15,669
120	FLOAT BRIDGE PROPULSION (M27200)							5	1,942
	SUB-ACTIVITY TOTAL				9,558	<u>-</u>	40,671		36,835
	**ENGINEER (NON CONSTRUCTION)								
121	KIT, STANDARD TELEOPERATING (R80500)			11.00		15	3,956	2	889
122	METALLIC MINE DETECTOR, VEHICLE MOUNTED (M80100) (M80100)			8	3,726				

Activity: 3. "OTHER SUPPORT EQUIPMENT"

EINE S	ITEM NOMENCIATIDE	⊆	(DOLS) FY 00		FY 99		FY 00		FY 01	
į		j	COST	QTY	COST	ату	COST	QTY	COST	
(1)	(2)	(3)	(4)	(7)	(8)	(6)	(10)	(11)	(12)	П
123	EXPLOSIVE ORDNANCE DISPOSAL EQPMT (EOD EQPMT) (MA9200)						8,899			5,206
124	<\$5M, COUNTERMINE EQUIPMENT (MA7700)	∢								993
125	BN COUNTERMINE SIP (X01100) (EOD EQPMT) (MA9200)				1,520		8,862			7,442
	SUB-ACTIVITY TOTAL				5,246		21,717		-	14,329
	**COMBAT SERVICE SUPPORT									
126	ENVIRONMENTAL CONTROL UNITS (MF9300)	∢ .		138	6,057	120	5,955	150		6,348
127	FIRETRUCKS (MA9600)	∢			16,513					
128	LAUNDRIES, SHOWERS AND LATRINES (M82700)				7,121		9,802			12,580
129	FLOODLIGHT SET, ELEC, TRL MTD, 3 LIGHTS (M72100)			58	1,893	8	2,360			
130	SOLDIER ENHANCEMENT (MA6800)				4,711		3,571		11 40	3,984
131	LIGHTWEIGHT MAINTENANCE ENCLOSURE (LME) (MA8061)					171	3,690	160		1,999

EXHIBIT P-1 February 1999

DEPARTMENT OF THE ARMY
FY 00/01 PROCUREMENT PROGRAM
Activity: 3. **OTHER SUPPORT EQUIPMENT**

EN C	ITEM NOMENICATI IDE	⊆	(DOLS) FY 00		FY 99		FY 00		FY 01
j Z		⊇	COST	QTY	COST	QTY	COST	ΩΤΥ	COST
(1)	(2)	(3)	(4)	(7)	(8)	(6)	(10)	(11)	(12)
132	FORCE PROVIDER (M80200)	4		4	23,841	က	31,189	ю	22,263
133	FIELD FEEDING AND REFRIGERATION (M65800)	∢			12,397		8,617		11,976
134	AIR DROP PROGRAM (MA7804)						3,357		3,971
135	CAMOUFLAGE: ULCANS (MA7900)	∢					12,869		
136	ITEMS LESS THAN \$5.0M (CSS-EQ) (ML5325)	∢			6,447		2,543		1,909
	SUB-ACTIVITY TOTAL				78,980		83,953		65,030
	PETROLEUM EQUIPMENT								
137	FAMILY OF TANK ASSEMBLIES FABRIC, COLLAPSIBLE (M19000)	∢			8,891	-	11,201		2,489
138	QUALITY SURVEILLANCE EQUIPMENT (MB6400)						6,225		7,120
139	DISTRIBUTION SYS, PET & WATER (M60000)	∢			5,879		12,583		13,516
140	PUMPS, WATER AND FUEL (M61200)				337	146	3,680		
141	HOSELINE OUTFIT FUEL HANDLING (M90800) (MA5120)	¥.						20	5,878
142	INLAND PETROLEUM DISTRIBUTION SYSTEM (MA5120)	4			8,232		6,826		5,618

DEPARTMENT OF THE ARMY FY 00/01 PROCUREMENT PROGRAM

Activity: 3. **OTHER SUPPORT EQUIPMENT**

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Appropriation:

			(DOLS)						
LINE NO.	ITEM NOMENCLATURE	Ω	FY 00 UNIT	<u> </u>	FY 99		FY 00		FY 01
			COST	QTY	COST	QTY	COST	QTY	COST
(1)	(2)	(9)	(4)	(2)	(8)	(6)	(10)	(11)	(12)
143	ITEMS LESS THAN \$5.0M (POL) (ML5330)	∢			4,595		3,866		
	SUB-ACTIVITY TOTAL				27,934	****	44,381		34,621
	WATER EQUIPMENT								
144	WATER PURIFICATION SYS (R05100)	4					10,352		40,727
145	ITEMS LESS THAN \$5.0M (WATER EQ) (ML5335)	∢			1,898		1,729		
	SUB-ACTIVITY TOTAL				1,898		12,081		40,727
	MEDICAL EQUIPMENT								
146	COMBAT SUPPORT MEDICAL (MN1000)				25,465		34,940		31,567
	SUB-ACTIVITY TOTAL				25,465		34,940		31,567
	MAINTENANCE EQUIPMENT								
147	SHOP EQ CONTACT MAINTENANCE TRK MTD (MYP) (M61500)	∢		140	7,792	135	7,778	169	9,650
148	WELDING SHOP, TRAILER MTD (M62700)	∢		64	3,004	95	6,046	144	6,042
149	ITEMS LESS THAN \$5.0M (MAINT EQ) (ML5345)	4			4,315		3,072		5,078

DEPARTMENT OF THE ARMY FY 00/01 PROCUREMENT PROGRAM

Appropriation: **OTHER PROCUREMENT, ARMY**

Activity: 3. **OTHER SUPPORT EQUIPMENT**

		T	(DOLS)						
N C	ITEM	₽	FY 00		FY 99		FY 00		FY 01
5			COST	QTY	COST	QTY	COST	QTY	COST
(1)	(2)	(3)	(4)	(7)	(8)	(6)	(10)	(11)	(12)
150	STEAM CLEANER, TRAILER MOUNTED (S60200)					47	1,243		
	SUB-ACTIVITY TOTAL	•			15,111		18,139		20,770
	CONSTRUCTION EQUIPMENT								
151	MISSION MODULES-ENGINEERING (R02000)				4,319		5,473		1,489
152	ROLLER, VIBRATORY, SELF-PROPELLED (CCE) (R03300)	∢					10,197	70	4,671
153	COMPACTOR, HIGH SPEED (R06600)					29	12,274		
42	LOADERS (R04500)	٧				27	7,704	5	1,444
155	HYDRAULIC EXCAVATOR (X01500)	ω		32	7,797	34	8,265	35	8,282
156	DEPLOYABLE UNIVERSAL COMBAT EARTH MOVERS (M10600)			24	9,245	43	16,579	34	14,146
157	CRANES (M06700)	∢			19,332		21,756		6,089
158	TRUCK, DUMP, 20T (CCE) (R03000)	∢		29	13,128				
159	CRUSHING/SCREENING PLANT, 150 TPH (M07000)	⋖		4	8,127	4	7,328		68

DEPARTMENT OF THE ARMY FY 00/01 PROCUREMENT PROGRAM

Activity: 3. **OTHER SUPPORT EQUIPMENT**

			(DOLS)							П
NO.	ITEM NOMENCLATURE	₽	FY 8		FY 99		FY 00		FY 01	
			COST	QTY	COST	QTY	COST	QTY	COST	П
(1)	(2)	(3)	(4)	(2)	(8)	(6)	(10)	(11)	(12)	ГΤ
160	CONSTRUCTION EQUIPMENT SLEP (M05500)								1,986	98
161	ITEMS LESS THAN \$5.0M (CONST EQUIP) (ML5350)	4			2,020		6,223		2,635	35
	SUB-ACTIVITY TOTAL				63,968		95,799		40,831	3
	RAIL FLOAT CONTAINERIZATION EQUIPMENT									
162	SMALL TUG (M44500)			က	8,476		8,909			
163	FLOATING CRANE, 100-250 TON (M32400)	۵		-	15,216					
164	LOGISTICS SUPPORT VESSEL (LSV) (M11200)	В					18,844			
165	LOGISTICS SUPPORT VESSEL (ESP) (M11201)							·	6,638	38
166	CONTAINERIZED MAINTENANCE FACILITY (M11300)			ო	5,230					
167	CAUSEWAY SYSTEMS (R97500)	⋖			16,856		16,669		17,227	27
168	RAILWAY CAR, FLAT, 89 FOOT (M37000)	∢		120	13,579	45	4,929			
169	ITEMS LESS THAN \$5.0M (FLOAT/RAIL) (ML5355)				2,247		6,808		6,722	22
	SUB-ACTIVITY TOTAL				61,604		56,159		30,587	87

Activity: 3. **OTHER SUPPORT EQUIPMENT**

		r	(DOLS)						
LINE S	ITEM NOMENCI ATLIRE	9	FY 00		FY 99		FY 00		FY 01
į		j	COST	QTY	COST	QTY	COST	QTY	COST
(1)	(2)	(3)	(4)	(2)	(8)	(6)	(10)	(11)	(12)
	GENERATORS								
170	GENERATORS AND ASSOCIATED EQUIP (MA9800)	∢			65,552		79,589		85,886
	SUB-ACTIVITY TOTAL				65,552		79,589		85,886
	MATERIAL HANDLING EQUIPMENT								
171	ROUGH TERRAIN CONTAINER HANLER 53000 LB (M41200)	∢		18	20,416			77	40,031
172	ALL TERRAIN LIFTING ARMY SYSTEM (M41800)			171	18,805	196	23,469	196	24,407
173	ROUGH TERRAIN CONTAINER CRANE (X00900)	∢		7	1,124	22	10,883	4	2,056
174	ITEMS LESS THAN \$5.0M (MHE) (ML5365)	∢			1,732		1,756		1,231
	SUB-ACTIVITY TOTAL				42,077		36,108		67,725
	TRAINING EQUIPMENT								
175	CTC INSTRUMENTATION SUPPORT (MA6601)				47,884		17,374		81,845
176	TRAINING DEVICES, NONSYSTEM (NA0100)				56,529		72,532		91,937
177	SIMNET/CLOSE COMBAT TACTICAL TRAINER (NA0170)	A			87,946		64,713		81,160
178	AVIATION COMBINED ARMS TACTICAL TRAINER (AVCATT)(NA0173)								14,744

Appropriation: **OTHER PROCUREMENT, ARMY**

Activity: 3. **OTHER SUPPORT EQUIPMENT**

E C	ITEM NOMENCIATURE	9	(DOLS) FY 00 UNIT		FY 99		FY 00		FY 01
į)	COST	QTY	COST	QTY	COST	QTY	COST
(1)	(2)	(3)	(4)	(7)	(8)	(6)	(10)	(11)	(12)
179	FIRE SUPPORT COMBINED ARMS TACTICAL TRAINER (NA0174)	ω.			15,728		24,414		1,457
	SUB-ACTIVITY TOTAL				208,087		179,033		271,143
	TEST MEAS & DIAG EQUIP (TMDE)					*			
180	CALIBRATION SETS EQUIPMENT (N10000)				9,751		11,358		18,828
181	INTEGRATED FAMILY OF TEST EQUIPMENT (IFTE) (MB4000)				69,374		61,723		65,381
182	TEST EQUIPMENT MODERNIZATION (TEMOD) (N11000)				13,920		14,196		18,738
183	ARMY DIAGNOSTIC IMPROVEMENT PROGRAM (ADIP) (N11100)						5,172		17,300
	SUB-ACTIVITY TOTAL				93,045		92,449		120,247
	OTHER SUPPORT EQUIPMENT								
184	RECONFIGURABLE SIMULATORS (KA6000)				747		2,398		2,330
185	PHYSICAL SECURITY SYSTEMS (OPA3) (MA0780)	∢			14,807		19,597		18,856
186	SYSTEM FIELDING SUPPORT (OPA-3) (MA0070)				7,994				

Activity: 3. "OTHER SUPPORT EQUIPMENT"

(1) 187 BASE LEVEL COM'L EQUIPMENT (MB7000) 188 MODIFICATION OF IN-SVC EQUIPMENT (OPA-3) (MA4500) 190 BUILDING, PREFAB, RELOCATABLE (MA9160 191 SPECIAL EQUIPMENT FOR USER TESTING (MA6700) 192 MA8975 (MA8975) 193 CLOSED ACCOUNT ADJUSTMENTS (MA9999) SUB-ACTIVITY TOTAL ACTIVITY TOTAL	į	(DOLS) FY 00		FY 99		FY 00		FY 01
	<u> </u>	COST	QTY	COST	QTY	COST	αтУ	COST
	(3)	(4)	(7)	(8)	(6)	(10)	(11)	(12)
				18,763		6,740		7,399
	***************************************			22,728		41,501		28,008
	-			2,242		2,407		2,367
				15,000				
				14,611		16,775	-	24,344
				5,941		4,387		2,332
SUB-ACTIVITY TOTAL ACTIVITY TOTAL				2,345	-			
SUB-ACTIVITY TOTAL ACTIVITY TOTAL								
ACTIVITY TOTAL				105,178		93,805		85,636
				833,665		901,513		962,888

Appropriation: **OTHER PROCUREMENT, ARMY**

Activity: 4. **INITIAL SPARES**

EIN C	ITEM NOMENCIATUDE	٤	(DOLS) FY 00		FY 99		FY 00		FY 01	
	NOMENCLATORE	5	COST	QTY	COST	QTY	COST	QTY	COST	Т
	(2)	(3)	(4)	(2)	(8)	(6)	(10)	(11)	(12)	П
	INITIAL SPARES OPA1									
194	INITIAL SPARES - TSV (DS1000)				158		72			
	SUB-ACTIVITY TOTAL				158		72			
	INITIAL SPARES OPA2									
195	INITIAL SPARES - C&E (BS9100)				58,119		43,088		42,401	401
	SUB-ACTIVITY TOTAL				58,119		43,088		42,401	404
	INITIAL SPARES OPA3									
196	INITIAL SPARES - OTHER SUPPORT EQUIP (MS3500)				717		879		9	639
	SUB-ACTIVITY TOTAL				717		879		9	639
	ACTIVITY TOTAL				58,994		44,039		43,040	040
										

								Date:				
		Exhibit P-40, Budget	0, Budget It	em Justific	Item Justification Sheet		i			February 2000		
Appropriation / Budget Activity/Serial No:	rial No:					P-1 Item Nomendature:	re:					
Б	OTHER PROCUREMENT / 3 / Other Support Equipment	/3/Other Support E	Equipment	•				GEN SMK MECH	GEN SMK MECH:MTRZD DUAL PURP M56 (M99103)	P M56 (M99103)		
Program Elements for Code B Items:	ms:			Code:	Other Related Program Elements:	am Elements:						
	Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Qty	77	99	61	75	17	48	84	74	110	93		705
Gross Cost	17.5	12.4	12.1	14.9	6.3	11.4	20.7	18.0	25.7	25.6	0.0	164.6
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	17.5	12.4	12.1	14.9	6.3	11.4	20.7	18.0	25.7	25.6	0.0	164.6
Initial Spares												
Total Proc Cost	17.5	12.4	12.1	14.9	6.3	11.4	20.7	18.0	25.7	25.6	0.0	164.6
Fiyaway U/C												
Wpn Sys Proc U/C												

screening module is capable of vaporizing fog oil for up to 90 minutes and the infrared module is capable of disseminating a particulate material to provide 30 minutes of screening. A pre-planned product improvement (P3I) for millimeter wave obscuration will be capable of producing a 30 minute MMW screen. The M56 will operate in support of light and airborne maneuver units. enemy sensors and smart munitions such as tank thermal sights, guided munitions, directed energy weapons, and other systems operating in the visual through far-The M56, mounted on the High Mobility Multipurpose Wheeled Vehicle M1113 (HMMWV), disseminates smoke on the move and from stationary positions to defeat infrared regions of the electromagnetic spectrum. The system uses a turbine engine as a power source to disseminate large area obscurant clouds. The visual **DESCRIPTION:**

JUSTIFICATION:

The FY01 program initiates a new production contract and allows for the maintenance of industrial capability.

Exhibit P-5, Weapon	۷ ۷	Appropriation/ Budget Activity/Serial No: OTHER PROCUREMENT / 3 / Other Support	dget Activity/ REMENT / 3	Serial No: / Other Support	-	P-1 Line Iten GEN SMK N	P-1 Line Item Nomenclature: GEN SMK MECH:MTRZD DUAL PURP M56	JAL PURP M56		weapon system Type:		Date: Febru	February 2000
1600			Equipment				(M99103)						
	Q		FY 98			FY 99			FY 00			FY 01	
Cost Elements	8	TotalCost	ģ	UnitCost	TotalCost	Qfy	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qt	UnitCost
	H	\$000	Each	\$000	\$000	Each	\$000	000\$	Each	000\$	000\$	Each	\$000
Contract, Production	⋖		-···		10669	75	142	2763	17	163	8612	48	179
Engineering Change Proposals (ECP)	Ä		· · · · ·	,	274			34	-		96		
Depot Maintenance Work Requirement	⋖				250			55			52		
Government Furnished Equipment	4		···		253			170			480		
Driver's Vision Enhancer	<			•	1183		., .	338			953		
Engineering Support	⋖				1580			740			006		
Driver's Vision Enhancer Testing	∢				200								
System Fielding Support (SEE NOTE ON P5A)	∢				·			2159			273		
		-											
						_							
ТОТАL					14909			6229			11369		
	1												

rocuremen	nd Planning
℩	ă
Exhibit P-5A,	History

								Date:	Š	8
EXHIBIT F	Exhibit P-5a, Budget Procurement History and Planning	nistory ar	nd Planning					ľ	rebruary 2000	20
Appropriation / Budget Activity/Serial No:		Weapon System Type:	m Type:		P-1 Line Item	P-1 Line Item Nomenclature:	.,			
OTHER PROCUREMENT / 3 / Other Support Equipment					9	EN SMK MEC	GEN SMK MECH:MTRZD DUAL PURP M56 (M99103)	URP M56 (M99103)	
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date Date of First	Date of First	ατΥ	Unit Cost	Specs Avail	Date Revsn	RFP Issue Date
Fiscal Years		and Type			Delivery	Each	\$000	_	Avail	
ct, Production						!				
FY 99	RST, Westminster MD	C/FPM5(5) SBCCOM	SBCCOM	Dec-98	66-Inc	75	142	YES		
	RST, Westminster MD	C/FPM5(O)SBCCOM	SBCCOM	Nov-99	00-Inc	17	163			
FY 01	TBS	C/FPM5(1)SBCCOM	SBCCOM	Jan-01	Jan-02	48	179			

FY00 contract was an OPTION on an existing 5 year multiyear contract which ended in FY99. Unit price negotiated for FY00 contract option was increased from FY99 because of increased costs from the original negotiated price in FY95. FY01 is the first year of a new contractural effort. The current Government cost estimate is based upon the FY00 cost. The final determination as to whether FY01 will be a single year or multi-year contract will not be made until proposals are received and cost/benefit determined from actual data.

SPECIAL NOTE: SYSTEM FIELDING SUPPORT FUNDS IDENTIFIED FOR THE M56 SUPPORT ALL SMOKE SYSTEMS (M56, M58, AND LVOSS). FUNDS WILL BE DISTRIBUTED AS REQUIRED IN THE YEAR OF EXECUTION.

2-1 Item Nomenclature:

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FY 100 / 101 BUDGET PRODUCTION SCHEDULE	DUCT	ON SC	HED(JLE			<u> </u>	P-1 Item Nomenciature: GEN SMK	GEN	SMK	enciature: GEN SMK MECH:MTRZD DUAL PURP M56 (M99103)	ATRZD	DUAL	PURP	M56 (I	M99108	•				j G			Fe.	February 2000	2000		
	ŀ	l	l	PROC	ACCEP.	BAL				F	Fiscal Year 01	ear	٦				L				Fiscal Year 02	II Ye	ar 02					٦
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	EX	hibit P-40,	Budget It	em Justifi	Exhibit P-40, Budget Item Justification Sheet	et	_			February 2000		
Appropriation / Budget Activity/Serial No:	y/Serial No:					P-1 Item Nomendature:	ature:					
ОТНЕ	OTHER PROCUREMENT / 3,	/3/Other Support Equipment	rt Equipment					GENERATOR,	GENERATOR, SMOKE, MECH M58 (M99107)	M58 (M99107)		
Program Elements for Code B Items:	B Items:			Code:	Other Related Program Elements:	gram Elements:						
	Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2005 To Complete	Total Prog
Proc Qtv	45	40	27	28			35	59	37	37		278
Gross Cost	12.3	11.5	8.4	10.5	3.4	5.6	10.7	9.6	12.5	12.4	0.0	96.8
Less PY Adv Proc											•	
Plus CY Adv Proc												
Net Proc (P-1)	12.3	11.5	8.4	10.5	3.4	5.6	10.7	9.6	12.5	12.4	0.0	96.8
Initial Spares												
Total Proc Cost	12.3	11.5	8.4	10.5	3.4	5.6	10.7	9.6	12.5	12.4	0.0	96.8
Flyaway U/C												
Wpn Sys Proc U/C												

unit for Chem/Bio protection. Fabrication of unique parts and assemblies and the integration of above Government Furnished Equipment (GFE) are done at Anniston Army Depot (ANAD). Beginning FY02 production of a new model M58 system is planned that will have mobility equal to modified M113A3 Armored Personnel Carriers (APC) chassis. The system includes a Drivers Vision Enhancer (DVE) and gas particulate filter The M58 is a mechanized, large-area, multi-spectral smoke and obscurant system which integrates smoke generator components into a the mechanized forces which it supports, and will also incorporate the capability for millimeter wave (MMW) obscurant generation. The improved system will be capapble of generating visual, infrared and millimeter wave obscuration to meet all Army requirements. DESCRIPTION

JUSTIFICATION

The FY01 funding supports the final phase of a systems integration program to install and test 2 prototypes with the smoke generator components integrated on a different chassis other than the M113A3. Beginning in FY00, no M113A3 chassis were available for retrofit to the M58 system.

bit P-5,	,	Appropriation/ Budget Activity/Serial No.	3udget Act	ivity/Serial No:		P-1 Line Ite	P-1 Line Item Nomenclature:	nre:		Weapon System Type:		Date:	
OPA Cost Analysis		OTHER PROCUREMENT / 3 / Other Support Equipment	Support Equipment	n / 3 / Other rent		GENERA	GENERATOR, SMORE, MECH M38 (M99107)	, MECH M58				Febr	February 2000
	₽		FY 98			FY 99			FY 00			FY 01	
Cost Elements	8	TotalCost	Qty	UnitCost	TotalCost	Qfy	UnitCost	TotalCost	ਣੇ	UnitCost	TotalCost	Οţ	UnitCost
	Ħ	000\$	Each	\$000	000\$	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
Smoke Generator Components Engineering Change Proposals (ECP)	⋖				3202	78	114						
M58 Application Kit Engineering Change Proposals (ECP)	⋖				1503	78	54						
M58 System Conversion	٧				400	28	14						
Drivers Vision Enhancer/Cdr Display	٧				604	28	22						
SINCGARS Installation Kit	<	·											
Gas Particulate Filter Unit (GPFU)	⋖				48	28	2						
Manuals	⋖												
Engineering Support - OGA	⋖				271								
Engineering Support	∢				674								
Systems Integration Effort Engineering Support OGA and Test Test Support Components Smoke System Components	∢				1028 144 259 729			1300 180 159			2223 695		
Contract Support					1619			1766			2667		
TOTAL					10481			3405			5585		
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Appropriation / Budget Activity/Serial No: OTHER DROCHIDEMENT / 3 / Other Support Equipment		Weapon System Type:	lem Type:		P-1 Line Item Nomenclature: GENERATOR S	NERATOR	m Nomenclature: GENERATOR SMOKE MECH M58 (M99107)	M58 (M9	9107)	
W Cont Classics	Contractor and Location	Contract	Codion of PCO	Award Date	Date of Firet	λLO	t Init Cost	Specs	_	RFP Issue
Figure Years		Method and Type			Delivery	Each	000\$	Avail Now?	Revsn Avail	Date
Smoke Generator Components FY99	RST, Westminster MD	C/FPM4 (4)	C/FPM4 SBCCOM	Dec-98	Mar-00	28	114			
Drivers' Vision Enhancer/Cdr Display (M58) FY99	Raytheon, Dallas TX	C/FPM2 CECOM	СЕСОМ	Jan-99	Jun-00	28	22			
Gas Particulate Filter Unit (GPFU) FY99	Chula Vista, CA	C/FPM4 (4)	C/FPM4 TACOM/ACALA (4)	Nov-98	Oct-99	28	N			
M58 Application Kit FY99	Anniston Army Depot, Alabama	DMWR	SBCCOM	Dec-98	Dec-99	28	72			
M58 System Conversion (Shown on P-21) FY99	Anniston Army Depot, Alabama	DMWR	SBCCOM	Dec-99	Jun-00	28	4			
								Anti-Anti-Anti-Anti-Anti-Anti-Anti-Anti-		
REMARKS: The two prototype systems delivered with FY00 and FY01 integration effort will be refurbished and available for issue to the field at the end of the integration effort. The systems integration program began in FY99 to accelerate acceptance, testing and fielding of the System Improved M58.	ed with FY00 and FY01 integratio	n effort will ptance, test	be refurbished and availal ting and fielding of the Sys	ole for issue tem Improv	to the field ed M58.	at the en	d of the integ	ration e	ffort.	

								Date:				
	EX	hibit P-40,	Budget It	em Justifi	Exhibit P-40, Budget Item Justification Sheet	et				February 2000		
Appropriation / Budget Activity/Serial No:	//Serial No:					P-1 Item Nomendature:	ature:					
ОТНЕ	OTHER PROCUREMENT / 3 /		Other Support Equipment					M6 D	M6 DISCHARGER (G71300)	1300)		
Program Elements for Code B Items:	ltems:			Code:	Other Related Program Elements:	gram Elements:						
	Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2005 To Complete	Total Prog
Proc Qty					1878				518	902		3102
Gross Cost	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	1.1	1.4	0.0	5.5
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	1.1	1.4	0.0	5.5
Initial Spares												
Total Proc Cost	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	1.1	1.4	0.0	5.5
Flyaway U/C												
Wpn Sys Proc U/C												
- Incorporation												

The M6 Discharger will provide armored host vehicles with concealment from threat surveillance, target acquisition, and weapons guidance systems by projecting the 66mm family of smoke grenades. Each M6 discharger consists of a 4 grenade launch tube module which is designed for use on any vehicle platform. Each tube of the M6 Discharger can be separately fired on command. The system provides up to 360 degrees coverage, overhead screening protection, and can interface with the Vehicle Integrated Defense System (VIDS) control. DESCRIPTION:

								Date:				
		Exhibit P-40, Budge	0, Budget It	of Item Justification Sheet	ation Sheet					January 2000		
Appropriation / Budget Activity/Serial No:	al No:					P-1 Item Nomenclature:	ë.					
-to	OTHER PROCUREMENT / 3 / Other Support Equipment	7/3/Other Support	dulpment				-	FEMS LESS THAN \$	ITEMS LESS THAN \$5M (SMOKE & OBSCURANTS) ML5310	CURANTS) ML5310		
Program Elements for Code B Items:	isi			Code:	Other Related Program Elements:	am Elements:						
	Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Qty												
Gross Cost	0.0	0.0	2.1	4.6	0.0	0.0	0.0	0:0	0.0	0.0	0.0	6.7
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	0.0	0.0	2.1	4.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.7
Initial Spares												
Total Proc Cost	0.0	0.0	2.1	4.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.7
Flyaway U/C												
Wpn Svs Proc U/C												

DESCRIPTION:

material (Xenoy) and has four launch tubes capable of firing grenades in a sixty degree arc. The installation kits contain an arming and firing unit (A/FU), wiring harness and mounting hardware. The M304 Installation Kit is compatible with the Infantry Tube-launched Optical-tracked Wire-guided (TOW) equipped HMMWV (M966). The externally mounted on the light vehicles. LVOSS counters threat weapon systems operating in the visual and near infrared portions of the electromagnetic spectrum. LVOSS launcher hardware consists of the M7 Lightweight Discharger and either a M304/M305/M310 Installation Kit. The M7 Discharger is made from a light weight Police. LVOSS components are integrated as a complete system and operated from within the vehicle via the A/FU. The host vehicle will retain its combat load and M305 and M310 Installation Kits mount the A/FU, wiring harness and four M7 dischargers to the M1025 series HMMWV and M1114 HMMWV used by the Military The Items Less Than \$5M line procured the Light Vehicle Obscurant Smoke System (LVOSS) in FY98/99. The LVOSS is a self-defense smoke/obscurant device operational capabilities in mobility, firepower and communications when configured with the LVOSS.

								Date:				
	Exhi	hibit P-40,	, Budget It	em Justifi	ibit P-40, Budget Item Justification Sheet	et				February 2000		
Appropriation / Budget Activity/Serial No:	//Serial No:					P-1 Item Nomenclature:	lature:					
OTHE	OTHER PROCUREMENT / 3	7/3/Other Support Equipment	ort Equipment					HEAVY DRY SU	HEAVY DRY SUPT BRIDGE SYSTEM (G82400)	TEM (G82400)		
Program Elements for Code B Items:	3 Items:			Code:	Other Related Program Elements:	ogram Elements:						
604804 H01 Logistics and Engineer Equipment - Engineering Development	nd Engineer Equipmen Development	nt - Engineering					Ribbon Bridge (MA8890)	ie (MA8890)				
	Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2005 To Complete Total Prog	Total Prog
Proc Qty					3	4	4	8	8	8		35
Gross Cost	0.0	0.0	0.0	0.0	15.3	19.2	20.6	44.5	45.0	44.9	0.0	189.5
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	0.0	0.0	0.0	0.0	15.3	19.2	20.6	44.5	45.0	44.9	0.0	189.5
Initial Spares												
Total Proc Cost	0.0	0.0	0.0	0.0	15.3	19.2	20.6	44.5	45.0	44.9	0.0	189.5
Flyaway U/C												
Wpn Sys Proc U/C												

Military Load Class (MLC) 96 wheeled and MLC 70 tracked. The bridge will have a minimum 4-meter road width and a rapid emplacement time Girder Bridge is aging and cannot withstand MLC 96W/70T crossings, which is required when a Heavy Equipment Transporter (HET) is hauling Flatracks. The HDSB complements the Ribbon Bridge modernization program under SSN MA8890, which includes the M1977 Common Bridge in 90 minutes or less, with little or no site preparation and will require 14 soldiers or less to construct the bridge. The currently fielded Medium component of the Multi-Role Bridge Company (MRBC). The HDSB will allow the crossing of up to a 40-meter gap or two 20-meter gaps at a shown is for bridge sets, which consists of the bridge, a Palletized Load System (PLS) chassis dedicated launcher, M1076 PLS Trailers, and sections will be transported by M1977 Common Bridge Transporters (CBTs) using both the trailers and the flatracks. The HDSB is a major The quantity The HDSB bridge DESCRIPTION: The Heavy Dry Support Bridge (HDSB) is a mobile, rapidly erected, sectionalized military bridging system. Fransporters (CBTs) (M26800), Interior Bays (M26600), Ramp Bays (M26700), and Bridge Erection Boats (M23600). an Abrams tank.

JUSTIFICATION: The FY01 funding procures four bridges and launchers and associated trailers and flatracks to continue filling Force Package 1 requirements. The AAO for this system is as follows: Bridge - 133ea, Launchers - 105ea

Exhibit P-5. Weapon	Ì	Appropriation/	Budget A	Appropriation/ Budget Activity/Serial No:		P-1 Line I	P-1 Line Item Nomenclature:	nre:	_	Weapon System Type:		Date:	0
OPA Cost Analysis		OTHER PRO	PROCUREMENT / 3 Support Equipment	OTHER PROCUREMENT / 3 / Other Support Equipment	_	HEAV	HEAVY DRY SUPPORT BRIDGE (G82400)	4 BRIDGE				Leon	replualy 2000
	₽		FY 98			FY 99			FY 00			FY 01	
Cost Elements	망	TotalCost	ð	UnitCost	TotalCost	δţ	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		000\$	Each	\$000	000\$	Each	000\$	000\$	Each	\$000	000\$	Each	\$000
1. Vehicle Bridge	ω							6171	ო	2057			2057
Launcher Trailer	8 K K							4875		1625	6500 1001 159	4 8 4	1625 50 11
Flatfack AN/VIC-3	ďΩ							1300	31	42			
SUBTOTAL								12346			15888		
2. ECPs								374			476		
3. Testing, PVT APG								159			1855		
4. Documentation								1276			206		
5. Quality Assurance Support In-House								121			214		
6. System Fielding Support								244			14		
7. Engineering Support								61			114		
8. PM Support								745			457		
Notes:													
Production Verification Test (PVT) / M III TC STD for bridge/launcher and AN/VIC-3 scheduled for FY02.													
							· · · · · · · · · · · · · · · · · · ·	in-					
TOTAL								15326			19224		
	4		_										

	Budget Brownsat	Lieton.	and Diamina					Date:	February 2000	
	Exhibit P-5a, budget Procurement history and Framing	TISTOLY	allu riallillig					8	ually Eu	Ţ
Appropriation / Budget Activity/Serial No:		Weapon System Type:	em type:		7-1 Line Iter	P-1 Line Item Nomenclature: HEAVY DRY SUI	n Nomenclature: HEAVY DRY SUPPORT BRIDGE (G82400)	DGE (G82	(400)	
WBS Cost Elements:	Contractor and Location	Contract	Location of PCO	Award	Date of First	αT	Unit Cost	Specs I		RFP Issue Date
Fiscal Years		and Type			Delivery	Each	\$000		Avail	
	TBS	C/MYP	TACOM	May-00	Aug-00	9	2057	Yes		Nov 99
	TBS	Call-up TACOM	тасом	Dec-00	Dec-01	4	2057			
Launcher										
FY 00	TBS	C/MYP TACOM	TACOM	May-00	Aug-00	က	1625	Yes		Nov 99
FY 01	TBS	Call-up TACOM	TACOM	Dec-00	Dec-01	4	1625			
Taler										
FY 01	Oshkosh Truck Corp.	Option	TACOM	Dec-00	Jun-01	20	20	Yes		
	Oshkosh, WI									
Figure K	TBS	SS/FFP TACOM	TACOM	Nov-00	Jun-01	4	7	Yes		May 00
								•		
ANVIC-3	Northrup Grumman, Inc. Defense Systems Division Rolling Meadows, IL	SS/FFP	СЕСОМ	Jun-00	Mar-01	31	42	§ Ž	Apr-00	Apr 00
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REMARKS: PLS Chassis, Trailer, Flatrack, and AN/VIC-3 are GFE to the Launcher contractor. AN/VIC-3 unit of measure is bridge sets, which is 12 intercoms per bridge set.	AN/VIC-3 are GFE to the Launcl	her contra	ctor. AN/VIC-3 unit of mea	sure is b	idge sets	, which is	12 intercom	s per bri	es esp	ı,
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						P-4	P-1 Item Nomenclature:	menc	ature				ı					Γ	Date:	I.,			ı	ı	ı		Г
FY 2000 / FY 2001 BUDGET PRODUCTION	SODU	CTIO	N SCH	SCHEDULE	ш			HEA	HEAVY DRY SUPPORT BRIDGE (G82400)	lUS √S	POR	T BRIL)GE	G824(ê.							Fe	bruan	February 2000			
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	Exhit	hibit P-40,	Budget It	em Justifi	oit P-40, Budget Item Justification Sheet	et				February 2000		
Appropriation / Budget Activity/Serial No:	/Serial No:					P-1 Item Nomenclature:	lature:					
ОТНЕ	OTHER PROCUREMENT /3/	/3/Other Support Equipment	rt Equipment					RIBB(RIBBON BRIDGE (MA8890)	9890)		
Program Elements for Code B Items: 604804 H01 Logistics and Engineer Equipment - Engineering	de B Items: nd Engineer Equipment Development	t - Engineering		Code:	Other Related Program Elements:	gram Elements:						
	Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete Total Prog	Total Prog
Proc Qty												
Gross Cost	272.6	4.4	4.0	9.6	25.3	15.7	27.9	33.8	40.3	39.3	0.0	472.8
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	272.6	4.4	4.0	9.6	25.3	15.7	27.9	33.8	40.3	39.3	0.0	472.8
Initial Spares										!		
Total Proc Cost	272.6	4.4	4.0	9.6	25.3	15.7	27.9	33.8	40.3	39.3	0.0	472.8
Flyaway U/C												
Wpn Sys Proc U/C												

Ribbon Bridges have a Military Load Capacity of MLC 96 and are used to transport weapon systems, troops and supplies over water when permanent bridges are not available. The Ribbon Bridge Bays, Erection Boats, and Transporters are components of the Multi-Role Bridge Company (MRBC). The Ribbon Bridge provides the capability for a continuous floating roadway or raft to be constructed for transporting assault (M26800). These components are required to transport, launch, erect and retrieve a floating bridge up to 200 meters long per bridge company. DESCRIPTION: The Ribbon Bridge consists of Bridge Bays (M26600 and M26700), Bridge Erection Boats (M23600), and Transporters and tactical vehicles across streams and rivers that cannot be forded.

JUSTIFICATION: FY01 funding continues procurement of the M1977 Common Bridge Transporter (CBT) and associated M15 Bridge Adaptor Pallets (BAPs), and Ribbon Bridge Interior Bays and Ramp Bays. Ribbon Bridge AAOs are as follows: CBT- 1052ea, Bridge Bays - 1186ea

Exhibit P-5, Weapon OPA Cost Analysis		Appropriation/ OTHER PRO	Budget Ac CUREME	Appropriation/ Budget Activity/Serial No: OTHER PROCUREMENT / 3 / Other		P-1 Line Ite RIBB	P-1 Line Item Nomenclature: RIBBON BRIDGE (MA8890)	ıre: AA8890)	>	Weapon System Type:		Date: February 2000	: February 2000
	1	ldnS	Support Equipment	ment									
	₽		8 1 1			FY 99			FY 00			FY 04	
Cost Elements	CD	TotalCost	ð	UnitCost	TotalCost	o fy	UnitCost	TotalCost	Q.	UnitCost	TotalCost	Ş Ö	UnitCost
		\$000	Each	000\$	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
 Vehicle Common Bridge Transporter Bridge Adapter Pallet Interior Bays Ramp Bays 	4 4 B B				4400 3868	105	48	17492 1882 2024 1170	87 18 9	201 37 112 130	3013 3218 3599 1690	17 86 32 13	177 37 112 130
SUBTOTAL					8268			22568			11520		
2. Engineering Changes					110			673			384		
3. Government Testing - APG					65						1832		
4. Documentation								308			231		
5. Engineering Support Government					109			373			318		-
6. Quality Assurance Support					201			180			198		
7. Special Tools								73			89		
8. System Fielding Support					386			460			427		
9. Project Mgmt Support					419			710			691		
Note: Production Verification Test (PVT)/M III Type Classification (TC STD) for IRB ramps and bays scheduled in FY02.													
TOTAL					9558			25345			15669	**********	

Exhibit P-5	5a. Budget Procurement History and Planning	History	and Planning					Date: Feb	February 2000	96
Appropriation / Budget Activity/Serial No:		Weapon System Type:	lem Type:		P-1 Line Ite	P-1 Line Item Nomenclature:	ture:			
OTHER PROCUREMENT / 3 / Other Support Equipment						RIBE	RIBBON BRIDGE (MA8890)	(V8880)		
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	ΔI	Unit Cost	Specs 1 Avail R	Date RI Revsn	RFP Issue Date
Fiscal Years		and Type			Delivery	Each	\$000		Avail	
Common Bridge Transporter										
FY 99	Oshkosh Truck Corp	SS/FFP	TACOM	Aug-99	Sep-99	82	48	Yes		
FY 99	Oshkosh, Wi	Option	TACOM	Jan-00	Aug-00	7	48	Yes		
FY 00	τ	Option	TACOM	Jan-00	Sep-00	87	201	Yes		
FY 01	E	Option	TACOM	Dec-00	Aug-01	17		Yes		
Bridge Adapter Pallet										
FY 99	Bombardier Transportation.	C/FFP	TACOM	Jun-99	Feb-00	105	37	Yes		
FY 00	Kingston, Canada		TACOM	Jun-00	Jan-01	51	37	Yes		
FY 01		Option	TACOM	Dec-00	Aug-01	98	37	Υes		
Interior Bavs										
FY 00	TBS	C/MYP	TACOM	Apr-00	OO-Inc	18		YES		
FY 01	TBS	Call-up	TACOM	Apr-01	Oct-01	32				
Ramp Bays		0		9	3	-				
FY 00	IBS	C/M Y		Apr-00	00-100	ָ מ		ָבְּי בַּי		
FY 01	TBS	Call-up	TACOM	Apr-01	Oct-01	13	130			
REMARKS: Reginging in FY 00 CRT programment costs include the cost of the HEMTT chassis.	nent costs include the cost of the	HEMTT OF	lassis							
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		Exhibit P-4(), Budget It	em Justific	Exhibit P-40, Budget Item Justification Sheet					February 2000		
Appropriation / Budget Activity/Serial No:	ial No:					P-1 Item Nomenclature:	ire:					
ATO OTH	OTHER PROCUREMENT / 3 / Other Support Equipment	/3/Other Support E	Equipment					FLOAT BRI	FLOAT BRIDGE PROPULSION (M27200)	(M27200)		
Program Elements for Code B Items:	ns:			Code:	Other Related Program Elements:	am Elements:						
604804 H02	604804 H02 Bridge Site Mobility											
	Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Qty						9	4	13	20	20		62
Gross Cost	0.0	0.0	0.0	0.0	0.0	1.9	1.9	4.4	7.2	7.1	0.0	22.6
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	0.0	0.0	0.0	0.0	0.0	1.9	1.9	4.4	7.2	7.1	0.0	22.6
Initial Spares												
Total Proc Cost	0:0	0.0	0.0	0.0	0.0	1.9	1.9	4.4	7.2	7.1	0.0	22.6
Flyaway U/C												
Wpn Sys Proc U/C												

DESCRIPTION: The Ribbon Bridge consists of Bridge Bays (M26600), Float Bridge Propulsion (Bridge Erection Boats (BEB)) (M27200), and Transporters (M26800) Load Capacity of MLC 96 and are used to transport weapon systems, troops and supplies over water when permanent bridges are not available. The Ribbon Bridge Bays, Bridge Erection Boats (BEB), and Transporters are components of the Multi-Role Bridge Company (MRBC). The Ribbon Bridge provides the capability for a continuous floating roadway or raft to be constructed for transporting assault and tactical vehicles across streams and rivers that cannot be forded. The BEB These components are required to transport, launch, erect and retrieve a floating bridge up to 200 meters long per bridge company. Ribbon Bridges have a Military procurement will start in FY01 and a five-year multiyear program will procure 61 boats. Existing BEBs are aging and nearing the end of their useful life, creating readiness concerns for MRBC units.

JUSTIFICATION: FY01 funding initiates the BEB replacement program and buys five Bridge Erection Boats to replace overaged boats that no longer meet user requirements.

Exhibit P-5, Weapon	* '	Appropriation/ Budget Activity/Serial No:	dget Activity	/Serial No:		P-1 Line Iter	P-1 Line Item Nomenclature:	(M27200)		Weapon System Type:		Date:	February 2000
OPA Cost Analysis			Equipment	rioddon leithou				(207 1711)					
	₽		FY 98			FY 99			FY 00			FY 01	
Cost Elements	8	TotalCost	Q. Şî	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qfy	UnitCost	TotalCost	Qfy	UnitCost
		\$000	Each	000\$	000\$	Each	\$000	000\$	Each	000\$	000\$	Each	\$000
1. Hardware				***									
Bridge Erection Boat											1005	S.	201
SUBTOTAL								-			1005		
2. Engineering Changes											30		·
3. Government Testing Aberdeen Test Center											200		
4. Documentation											196		
5. Engineering Support Government											112		
6. Quality Assurance Support											51		
7. Project Mgmt Support											348		
TOTAL											1942		

Exhibit P.	Exhibit P-5a, Budget Procurement History and Planning	History an	id Planning					Date:	February 2000	
Appropriation / Budget Activity/Serial No:		Weapon System Type:	n Type:		P-1 Line Item Nomenclature:	Vomenclature				
OTHER PROCUREMENT / 3 / Other Support Equipment						FLOAT BI	FLOAT BRIDGE PROPULSION (M27200)	ION (M272		
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Award Date Date of First	απγ	Unit Cost	Specs Avail		RFP Issue Date
Fiscal Years		and Type			Delivery	Each	\$000	Now?	Avail	
FY01	ТВД	CMYP	TACOM	Apr-01	Dec-01	.	201	Š	Oct OC	Jan 01
REMARKS:										

							3	Date:				
		Exhibit P-4	Exhibit P-40, Budget Item Justification Sheet	em Justifica	ation Sheet					February 2000		
Appropriation / Budget Activity/Serial No:	il No:					P-1 Item Nomenclature:						
TO	OTHER PROCUREMENT / 3 / Other Support Equipment	1/3/Other Support E	Equipment					KIT, STAND	KIT, STANDARD TELEOPERATING (R80500)	4G (R80500)		
Program Elements for Code B Items:	:63			Code:	Other Related Program Elements:	am Elements:	-					
	Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Qtv					15	2	6					26
Gross Cost	0.0	0.0	0.0	0.0	4.0	0.7	2.4	0.0	0.0	0.0	0.0	7.1
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	0.0	0:0	0.0	0.0	4.0	0.7	2.4	0.0	0.0	0.0	0:0	7.1
Initial Spares												
Total Proc Cost	0.0	0.0	0.0	0.0	4.0	0.7	2.4	0.0	0.0	0.0	0.0	7.1
Flyaway U/C												
Won Svs Proc U/C												

operator and the remote vehicle; 2) Vehicle Control Unit (VCU) - the controlling processor located on the remote vehicle which controls driving and payload functions; 3) transparent to the driver. When operated remotely, all driving and payload functions are controlled from a remote location. Eighty percent of the SRS will be common Input/Output (SIO) - handles all input/output for other than actuators; 5) Video Multiplexer Unit (VMU) - handles driving and payload related video throughput between vehicle and Radio Unit (RU); 6) Pan/Tilt Unit (PTU) - controls camera/sensor motion, transmitting information to the VCU; and 7) Radio Units (RU) - transport video, composed of the following major parts: 1) Operator Control Unit (OCU) - a standard vehicle mounted/man portable control unit that offers the interface between the DESCRIPTION. Vehicle Teleoperation (VT) capability occurs when a Standardized Robotic System (SRS) kit is installed in any existing military vehicle. The SRS, for all vehicles on which it may be mounted; the primary difference is the number and capability of actuators to control driving and payload functions. The SRS is when installed, allows the vehicle to be controlled either normally, by having the driver in the vehicle, or remotely. During normal operation, the VT capability is High Integration Acutators (HIA) - to acuate driving and payload controls on the vehicle in such a manner as to be transparent to manned operation; 4) System telemetry, and safety data between the OCU and VCU.

procurement. This procurement will allow engineer units to operate heavy machinery or other vehicles in extremely hazardous environments. Current need is stated for Bosnia during Operations Joint Endeavor and Joint Guard--keeping American soldiers out of harms way. The Combat Engineer Table of Equipment (TOE) redesign JUSTIFICATION. FY01 funds will procure additional SRS kits. Developmental SRS kits have remotely detonated hundreds of anti-personnel and anti-tank mines in includes VT systems at all levels of organization. The capability of rapidly equipping an engineer unit with a teleoperation capability requires earliest possible remote minefield clearing and proofing, but the capability can be used for clearing firelanes and earthworks in flooded or other hazardous environments.

								Date:				
		Exhibit P-40, Budget	0, Budget It	em Justifica	Item Justification Sheet					February 2000		
Appropriation / Budget Activity/Serial No:	al No:			,		P-1 Item Nomendature:	re:					
-TO	OTHER PROCUREMENT / 3 / Other Support Equipment	73/Other Support &	Equipment				2	ETALLIC MINE DE	METALLIC MINE DETECTOR, VEHICLE MOUNTED (M80100)	AOUNTED (M80100	0)	
Program Elements for Code B Items:	:Si			Code:	Other Related Program Elements:	am Elements:						
	Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Qty			7	2								6
Gross Cost	0.0	0.0	12.1	3.7	0:0	0.0	0.0	0.0	0.0	0.0	0.0	15.8
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	0:0	0:0	12.1	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0:0	15.8
Initial Spares												
Total Proc Cost	0.0	0:0	12.1	3.7	0:0	0.0	0.0	0.0	0.0	0.0	0.0	15.8
Flyaway U/C												
Wpn Sys Proc U/C												
DESCRIPTION:												

humanitarian/peacekeeping missions. The system will allow U.S. Forces to maintain mobility along critical routes of communications. The IVMMD is the first vehicle mounted mine detection system fielded by the U.S.Army. The IVMMD will be fielded to selected units as an interim system for use in other than war operations where U.S. troops may be involved. It significantly reduces the exposure of soldiers to hostile fire and greatly increases route clearance missions in all tactical environments mines on routes. The system gives the Army critical capabilities to conduct route clearing missions in wartime, stabilization operations and The Interim Vehicle Mounted Mine Detection System (IVMMD) provides the U.S.Army with the capabilitry to detect metal cased antitank over hand held systems.

		Exhibit P-4	Exhibit P-40, Budget Item Justification Sheet	em Justifica	ation Sheet			Date:		February 2000		
Appropriation / Budget Activity/Serial No:	al No:					P-1 Item Nomenclature:	re:					
<u>p</u>	OTHER PROCUREMENT / 3 / Other Support Equipment	T/3/Other Support L	Equipment				۵	(PLOSIVE ORDNAN	EXPLOSIVE ORDNANCE DISPOSAL EQUIPMENT (E (MA9200)	IPMENT (E (MA9200	((
Program Elements for Code B Items:	.કા			Code:	Other Related Program Elements:	am Elements:						
	Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Qty												
Gross Cost	0.0	0.0	0.0	0.0	9.0	5.2	3.3	2.5	1.8	6.0	0.0	22.7
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	0.0	0.0	0.0	0.0	9.0	5.2	3.3	2.5	1.8	6.0	0.0	22.7
Initial Spares												
Total Proc Cost	0:0	0.0	0:0	0.0	9.0	5.2	3.3	2.5	1.8	6.0	0.0	22.7
Flyaway U/C												
Who Sve Proc 11/C.								-				

uneconomically reparable assets. This equipment is used by EOD personnel to render safe unexploded ordnance and improvised devices throughout the world. This DESCRIPTION: Provides for procurement of explosive ordnance disposal (EOD) equipment. This equipment is for initial issue shortages or to replace overaged and equipment provides the capability to examine, identify, and render safe ordnance effectively and safely.

uneconomically reparable/unsupportable assets. The EOD equipment is urgently needed to fill unit requirements throughout the active Army, National Guard, and Army Reserve Units for rendering safe unexploded ordnance and improvised explosive devices. The equipment will increase operational capabilities of EOD units as well as JUSTIFICATION: The FY01 funds are required to procure EOD equipment. These requirements include interchange, readiness fixing, and replacement of enhance safety of EOD personnel.

- a. Radiographic Tool Set (commonly called the x-ray tool set) is used by EOD personnel to take x-ray pictures of foreign ordnance items and suspected improvised explosive devices (IEDs). The x-ray film of the internal components of the suspect object allows the soldier to identify hazards and determine EOD procedures to be
- of munition fuzes, light cased unexploded ordnance (UXO) items and suspected improvised explosive devices (IEDs). The ARS enhances the capabilities of the present b. Advanced Radiographic System (ARS) is used by explosive ordnance disposal (EOD) soldiers to obtain a radiographic computer image of the internal components X-Ray tool set and increases operational safety by reducing the exposure to the hazardous item.

Exhibit P-40C Budget It	Item Justification Sheet	ion Sheet		Date February 2000
Appropriation / Budget Activity/Serial No. OTHER PROCUREMENT / 3 / Other Support Equipment			P-1 Item Nomendature	EXPLOSIVE ORDNANCE DISPOSAL EQUIPMENT (E (MA9200)
Program Elements for Code B llems	Code	Other Related Program Elements	n Elements	
 6. TRON (St Supplemental Field Maintenance as basic took in Used by PCD units for removal and destruction of ordnance. 6. Remote Ordance Neutralization System (RONS) is an upgrade of the present robot used by EOD soldiers to enable more operations on hazardous unexploded ordnance (HUO) and IED's to be performed at a safer remote distance. 6. Swapt Frequency Acoustic Interferoment (SAZ) is a Leverson portable computerized field-worthy, non-invasive, ultrasonic inspection system to identify solid a liquid munitions filler. This is used by EOD personnel to identify hazards and determine safe procedures. f. The Small Calibor Dearner (SCD) is a set of breeches, different length barrels, and positioning stand capable of firing 9MM or .22 cal long range ammunition. SCD provides the EOD soldier the capability to render safe small fining devices and fuzes. 	ol kit used by E upgrade of the ote distance. I-person portat lentify hazards i, different leng e small firing de	present rol present rol ple compute and detern th barrels, evices and	oot used by EOD soldier sot used by EOD soldier stized field-worthy, non-ine safe procedures. and positioning stand cafuzes.	c. Took Supplemental Field Maintenance is a basic took fur bed by EUD unites for removal and destruction of ordinatives. 4. Semnote Ordance Neutralization System (RONS) is an upgrade of the present robot used by EOD soldiers to enable more operations on hazardous unexploded avanance (HUO) and IED's to be performed at a safer remote distance. 5. Swelf Proquency Acoustic Interfacement (SAD) is a 1-speakon portable computerized field-worthy, non-invasive, uitrasonic inspection system to identify soild and quality minitions filler. This is used by EOD personnel to identify hazards and determine aster procedures. 6. The Small Calibre Dearmer (SCD) is a set of breeches, different length barrels, and positioning stand capable of firing 9MM or .22 cal long range ammunition. The SCD provides the EOD soldier the capability to render safe small firing devices and fuzes.

bit P-5,		Appropriation/ Budget Activity/Serial No:	Appropriation/ Budget Activity/Serial No:	tivity/Serial	No:		P-1 Line Iten	P-1 Line Item Nomenclature:	I VOCADIO		Weapon System Type:		Date:	0000 ,401,400
OPA Cost Analysis		200	Equipment	ent	Hoddbo II		EQUIPM	EQUIPMENT (EOD EQUIP) (MA9200)	P) (MA9200)					2007
	₽		FY 98	8			FY 99			FY 00			FY 01	
Cost Elements	CD	L i	Н	Н	UnitCost	TotalCost	Qfy	UnitCost	TotalCost	Qfy	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	Н	000\$	000\$	Each	000\$	000\$	Each	000\$	000\$	Each	\$000
1. Radiographic Tool Set G0	G037								1054	117	o o	1422	158	o
2. Advanced Radiographic A010 System (ARS)	10								2937	218	13	1050	20	21
3. Tool Kit Supplemental Field G784 Maintenance			- 1.1.00						503	55	ი .	220	23	10
4. Remote Ordnance Neutralization PEND System (RONS)									495	ю	165	330	2	165
5. Swept Frequency Acoustic PEND Interfermeter (SFAI)												2064	129	16
6. Small Caliber Dearmer PEND	_											120	100	-
7. HMMWV Laser Ordnance Neutralization System (HLONS)									3910					
TOTAL			1 1100						6688			5206		
			_	-										

								Date:				
		Exhibit P-40, Budget I	0, Budget It	tem Justification Sheet	ation Sheet					February 2000		
Appropriation / Budget Activity/Serial No:	al No:					P-1 ftem Nomendature:	ıre:					
Б	OTHER PROCUREMENT/3/Other Support Equipment	T/3/Other Support Ex	quipment					< \$5M Coi	< \$5M Countermine Equipment (MA7700)	(MA7700)		
Program Elements for Code B Items:	ns:			Code:	Other Related Program Elements:	am Elements:	į					
	Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Qty												
Gross Cost	0.0	0.0	0.0	0.0	0.0	1.0	3.0	4.9	4.9	4.9	0.0	18.8
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	0.0	0.0	0.0	0.0	0.0	1.0	3.0	4.9	4.9	4.9	0.0	18.8
Initial Spares												
Total Proc Cost	0.0	0.0	0.0	0.0	0.0	1.0	3.0	4.9	4.9	4.9	0:0	18.8
Flyaway U/C												
Wpn Sys Proc U/C												

Under \$5M Countermine Equipment provides the U.S. Army with a capability to improve countermine capabilities for stability and support operations (S&SO). Specifically focused upon improving critical capabilities of area clearance missions. These items are an assortment of countermine tools that allows the warfighter to select the best tool for the terrain, environment and mission. These tools are Non Developmental Items that are available for rapid procurement. DESCRIPTION:

JUSTIFICATION: Funds for FY01 procures commercially available metal detector that has a better capability than the current AN/PSS-12 mine detector.

		Exhibit P-40, Budget		Item Justification Sheet	ation Sheet			Date:	!	February 2000		
Appropriation / Budget Activity/Serial No:	al No:					P-1 Item Nomendature:	T9:					
ЩО	OTHER PROCUREMENT / 3 / Other Support Equipment	1/3/Other Support	Equipment					BN COI	BN COUNTERMINE SIP (X01100)	1100)		
Program Elements for Code B Items:	Š;			Code:	Other Related Program Elements:	am Elements:						
				∢								
	Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Otty												
Gross Cost	0.0	0.0	2.4	1.5	8.9	7.4	0.0	0.0	0.0	2.2	0.0	22.4
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	0:0	0.0	2.4	1.5	8.9	7.4	0.0	0.0	0.0	2.2	0:0	22.4
Initial Spares												
Total Proc Cost	0.0	0.0	2.4	1.5	8.9	7.4	0.0	0.0	0.0	2.2	0.0	22.4
Flyaway U/C												
Wpn Sys Proc U/C												

upgrades, strengthened moldboard extensions, a plowing level indicator, and a centerline deflector kit; improvements to the M1 Mine Clearing Roller System including an improved quick release system, a simplified magnetic dogbone assembly, and a soil/sand kit; and a complete redesign of a cleared lane minefield marking DESCRIPTION: This funding provides for the procurement, application, and fielding costs associated with the System Improvement Plan Kit for the Battalion Countermine Set used on M1 Series tanks. This kit includes: changes to the M1 Mine Clearing Blade System including wiring harness improvements, travel lock system.

reliability issues have been addressed. Failures in any of these components would not only result in mission failure but could result in catastrophic damage to the host JUSTIFICATION: FY01 funds will support an improvement for the Roller Quick Release system which is flagged as a safety issue. Numerous safety and mission vehicle and injury/death to the vehicle's crew. All other changes (i.e. level indicators, centerline deflectors, soft soil/sand kit) will enhance mission capability and reliability.

Exhibit P-4	Exhibit P-40M Budget Ite	em Justifica	Item Justification Sheet			Date		February 2000	:	
Appropriation / Budget Activity/Serial No. OTHER PROCUREMENT / 3 / Other Support Equipment	nt Equipment			P-1 Item Nomenclature	g	BN CC	BN COUNTERMINE SIP (X01100)	X01100)		
Program Elements for Code B Items		Code	Other Related Program Elements	m Elements						
		٧								
_	Fiscal Years									
OSIP NO. Classification	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	2	Total
Countermine Battalion Set Improvement Kit	2.4	1.5	6	7.4	0.0	0.0	0.0	0.0	0.0	20.2
	i	<u>}</u>								
Totals	2.4	1.5	8.9	7.4	0.0	0.0	0.0	0.0	0.0	20.2
						,				

				IONI	INDIVIDUAL MODIFICATION	AODIFIC	ATION						ă	Date		February 2000	90
MODIFICATION TITLE:	Countern	Countermine Battalion Set Improvement Kit 1-99-05-4557	on Set Im	provem	ent Kit	1-99-0	5-4557										
MODELS OF SYSTEMS AFFECTED:	AFFECTED:	Countermine Battalion Set Improvement Kit 1-99-05-4557	Battalion S	set improv	ement Kit	1-99-05-	4557										
DESCRIPTION / JUSTIFICATION:	ICATION:																
Procurement, application, and fielding of the System Improvement Plan Kit to the Battalion Countermine Set used on M1 Series tanks includes: changes to the M1 Mine Clearing Blade System including wiring harness improvements, travel lock upgrades, strengthened	lication, an s to the M1	nd fielding o	f the Sysring Blade	System Improvement Plan Kit to the Battalion Countermine Set used on M1 Series tanks. This kit Blade System including wiring harness improvements, travel lock upgrades, strengthened	rovement n includ	ent Plar	λ Kit to ing har	the Bar	talion prove	Count	ermine , trave	Set us lock u	sed on pgrade	M1 Se ss, stre	ries ta ngther	nks. ⊤ ned	his kit
moldboard extensions, the addition of a plowing level indicator, and the addition of a centerline deflector kit, improvements to the M1 Mine	ions, the a	ddition of a	plowing	level inc	licator,	and the	additi	on of a led mad	center	line de Joabor	effector ne ass	· kit; irr embly,	prover and th	nents t e addit	o the N ion of	41 Min a soft	Φ
soil/sand kit; and a complete redesign of a cleared lane minefield marking system. These changes will enhance set and mission reliability and	a complete	redesign o	f a cleare	ed lane r	ninefiel	d mark	ing sys	tem. T	hese of	hange	s will 6	uhanc	e set a	nd mis	sion re	əliability	, and
reduce the possibility of host vehicle damag	lility of hos	t venicie da	ımage as	ge as well as injury or deaut to trie crew of said verifice.	ınjury	r deal		> > > >	- אשום		ı.						
DEVELOPMENT STATUS / MAJOR DEVELOPMENT MIL	IS / MA.IOR [DEVEL OPMEN	IT MILESTO	LESTONES:							Planned	pe			¥	Accomplished	shed
Technical Data Backade (TDP) Validation and Certification	Chane (TD	D) Validation	C pue uc	ertificati	5					0)	Sep-97					S	Sep-97
Award Contract for the First of Seven Modification (MOD) Kits	r the First o	of Seven M	odificatio	п (МОБ) Kits					Η.	Feb-98					Fe	Feb-98
Installation Schedule:	Pr	FY 1999	G		FY 2000	9		E	FY 2001			FY 2002	200			FY 2003	3
_ }_	Totals	1 2	8	1	2	e	4	F		3 4	-	2	9	4	-	2	3 4
Inputs		4	1002 1002 10 65	2 596	96	501	196	160 196 206	0 371 6 283	165	219	15 169	105	105	6	-12	8
						1											
		FY 2004		FY 2005	305		u.	FY 2006			Ł	FY 2007			To		Totals
	1	2 3	4	1 2	3	4	-	2	8	4	2	9	4	Som	Complete		
Inputs																	3312 3312
METHOD OF IMPLEMENTATION:	NTATION:	Contract/Unit Applied	nit Applied	ADMIN	ADMINISTRATIVE LEADTIME:	E LEAD	ij E	8	Months	s	PROD	UCTION	PRODUCTION LEADTIME:	ME:	8 W	Months	ı
Contract Dates:		FY 1999	Feb 00	~ (ĹL [FY 2000	Mar 00	8 8			FY 2001		Dec 01				
Delivery Date:		FY 1999	Aug oo			7007	deb	3									

MODIFICATION TITLE (Cont):		Soun	Countermine	Batta	ilion Set	lmprc	wement	Battalion Set Improvement Kit 1-99-05-4557	257					
FINANCIAL PLAN: (\$ in Millions)														
	FY 1998 and Prior		FY 1999	\vdash	FY 2000	-	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	TC	OTAL	
	Oty \$	Н	Qty \$	Н	Oty \$		Oty \$	Oty \$	Oty \$	Qty \$	Ofy \$	Oty \$	λίο	⇔
RDT&E PROCUREMENT Kit Quantity Installation Kits Installation Kits, Nonrecurring	2004 0	0.9	1002	4.	100	6.9	206 (5.4			12824		3312	14.6
Equipment Equipment, Nonrecurring Engineering Change Orders				***										
Data														
Training Equipment Support Equipment														
Other														
Interim Contractor Support														
Installation of Hardware				···										
FY 1998 & Prior Eqpt Kits	1002	1.5	1002	0.1									2004	1.6
FY 1999 Eqpt Kits					201	2.0							501	2.0
FY 2000 Eqpt Kits					100		501	- 0					50	0
FY 2001 Eqpt - Kits								0.					}	i
FY 2003 Eqpt kits														
FY 2004 Eqpt kits														
FY 2005 Eqpt kits														
TC Equip-Kits		- 1		 ;									2242	ď
Total Installment	1002		1002	-	601		707	2.0						0 0
Total Procurement Cost		2.4		1.5		8.9		7.4						20.2

INDIVIDUAL MODIFICATION

												-
		ŀ						Date:				
		Exhibit P-40, Budget		tem Justific	Item Justification Sheet					February 2000		
Appropriation / Budget Activity/Serial No:	al No:					P-1 Item Nomendature:	ıre:					
Ē	OTHER PROCUREMENT / 3 / Other Support Equipment	7/3/Other Support l	Equipment					ENVIRONMEN	ENVIRONMENTAL CONTROL UNITS (MF9000)	TS (MF9000)		
Program Elements for Code B Items:				Code:	Other Related Program Elements:	am Elements:			-		į	
	Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Qty												
Gross Cost	241.7	1.5	2.8	6.1	6.0	6.3	7.1	16.5	8.9	8.9	0.0	305.8
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	241.7	1.5	2.8	6.1	6.0	6.3	7.1	16.5	8.9	8.9		305.8
Initial Spares												
Total Proc Cost	241.7	1.5	2.8	6.1	6.0	6.3	7.1	16.5	8.9	8.9		305.8
Flyaway U/C												
Wpn Sys Proc U/C												

supplied for various systems either by mobile electric power systems or hardwired into existing facilities. AC's also provide dehumidification and filtering of air in support DESCRIPTION: This budget line represents the Army's family of Environmental Control Units (ECU's) which consist of Air Conditioners (AC's),SSN (MF9303), the Army controlled environmental concept. They range in size from 9,000 to 60,000 British thermal units per hour (BTUH) and are powered by a wide range of common currents controlled for proper operation of this equipment. AC's support 181 separate tactical weapon systems. The majority of the weapon systems are command, control, and communication oriented. The other applications include support equipment, satellite communications, intelligence gathering systems, petroleum and water logistics Space Heater (ASH), SSN (MF9301), and the Large Capacity Field Heater (LCFH), SSN (MF9302). Air Conditioners provide both cooling and electrical heating for of environmentally sensitive electronic equipment in mobile shelters and vans. Critical electronic equipment housed within systems produces heat that must be laboratories, electronic shop sets, Test Measurement and Diagnostic Equipment (TMDE), aviation shop sets and topographic support sets.

petroleum (JP-8) fuels to produce heat. The ASH is mobile and will deliver clean, heated or vented air through sealed, detachable, flexible ducts. It is suitable for arctic The Army Space Heater (ASH) is electrically powered requiring a maximum of 3 kilowatts of external power. It is thermostatically controlled using either diesel or jet use. The main mission is to heat maintenance tents in cold environments so that soldiers can safely repair a wide variety of equipment such as trucks, tanks, helicopters, Hawk, Patriot, and Multiple Launch Rocket Systems. Additionally, it supports field artillery and medical units.

thermostatically controlled and uses either diesel or jet petroleum (JP-8) fuels to produce heat. The LCFH is mobile and delivers both heated and re-circulated fresh and The Large Capacity Field Heater(LCFH) will be used to preheat and defrost aircraft and to heat large maintenance structures and aviation maintenance shelters. It is vented air through sealed, detachable, flexible ducts. It is suitable for use in temperate and arctic environments.

		THE STATE OF THE S	
			Date
Exhibit P-40C Budget Its	em Justific	et Item Justification Sheet	February 2000
Appropriation / Budget Activity/Serial No.		P-1 Item Nomendature	
OTHER PROCUREMENT / 3 / Other Support Equipment		•	ENVIRONMENTAL CONTROL UNITS (MF9000)
Program Elements for Code B Items	Oode	Other Related Program Elements	

effort. The purpose of the LCFH program is to replace outdated field heaters which currently are used to supply air to personnel and equipment in moderate and extreme support. Without these ACs, critical systems become incapable of performing their mission. Additionally on a continuing basis, ACs are required to fill urgent shortages deficiencies found in the 250,000 BTUH GED heater, specifically gasoline will be replaced by diesel fuel, meeting the DOD regulations to have one fuel on the battlefield. function of providing heat for maintenance, operations, and comfort. 50 LCFH heaters will also be procured as an initial buy to support the Army heater modernization gasoline which is no longer available through the DLA petroleum system. The LCFH program will utilize state-of-the-art technology to overcome the deficiencies of the They are required to fill existing shortages or provide replacement for assets that are overaged, nonsupportable and nonrepairable. ACs are critical to the system they It will be safer for personnel operating equipment in enclosed areas because it reduces carbon monoxide emissions. The ASH is a stand alone item that supports the on new fieldings of high priority weapon systems. FY 01 funds will procure 100 Army Space Heaters to support critical mission essential Aviation, Armor, and Artillery JUSTIFICATION: FY01 funds will support Air Conditioners that are required as a component or separately authorized in support of fielded tactical weapon systems. cold environmental locations world-wide. The current field heaters (400K BTUH), which utilize 1960s technology, are inefficient, heavy, unsafe, loud, and operate on Contingency Forces. This heater is a non-development item that will replace the current 250,000 BTU gasoline engine driven (GED) heater. It will correct the current field heaters while meeting DOD policy of one-fuel-forward (JP-8).

oit P-5,	Ì	Appropriation/ Budget Activity/Serial No:	dget Activity	Appropriation/ Budget Activity/Serial No:		P-1 Line Iter	P-1 Line Item Nomenclature:	STINIT ION	2	Weapon System Type:		Date: Febru	February 2000
OPA Cost Analysis		OINER PROCO	Equipment	noddne leino / c			(MF9000)						
	₽		FY 98			FY 99			FY 00			FY 01	
Cost Elements	8	TotalCost	δţ	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Otly	UnitCost	TotalCost	Qfy	UnitCost
		\$000	Each	000\$	\$000	Each	000\$	000\$	Each	\$000	\$000	Each	\$000 \$
Air Conditioner, 9000 BTU C/V (M910)	∢				175	20	4						
Air Conditioner, 9000 BTU C/H (M916)	∢				1800	009	က	009	200	က	009	200	က
Air Conditioner, 36000 BTU C/V (M813)	∢				400	20	80						
Air Conditioner, 36000 BTU C/H (M811)	∢				006	150	9	006	150	9	009	100	Ø
Air Conditioner, 9000 BTU C/H (M915)	∢							265	75	8	950	125	80
Air Conditioner, 60000 BTU C/V (M895)	⋖							650	20	13	920	20	13
Army Space Heater (ASH)	∢				947	138	7	1000	100	10	750	100	80
Large Capacity Field Heater (LCFH)	⋖										200	20	10
Government Engineering					1151			1408			1470		
System Technical Support					114			100			100		
Software					570			732			728		
TOTAL					6057			5955			6348		
										-			
]												

								Date:		
Exhibit F	Exhibit P-5a, Budget Procurement History and Planning	listory ar	nd Planning					F	February 2000	Q
Appropriation / Budget Activity/Serial No:		Weapon System Type:	m Type:		2-1 Line Item f	P-1 Line Item Nomenclature:				
OTHER PROCUREMENT / 3 / Other Support Equipment						ENVIRONMEN	ENVIRONMENTAL CONTROL UNITS (MF9000)	JNITS (MF	(0006	
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date Date of First	Date of First	ατγ	Unit Cost	Specs Avail	Date F Revsn	RFP Issue Date
Fiscal Years		and Type			Delivery	Each	\$000		Avail	
Air Conditioner, 9000 BTU C/V (M910) FY 99	Environmental Systems, Jackson, FL	C/FP	сесом	66-unf	00-Inc	50	4	YES		
Air Conditioner, 9000 BTU C/H (M916) FY 99 FY 00 FY 01	Environmental Systems, Jackson, FL Environmental Systems, Jackson, FL Environmental Systems, Jackson, FL	C/FP C/FP C/FP	CECOM CECOM CECOM	Apr-99 Apr-00 Nov-00	Apr-00 Apr-01 Aug-01	600 200 200	м м м	YES YES YES		
Air Conditioner, 36000 BTU C/V (M913) FY 99	Environmental Systems, Jackson, FL	C/FP	СЕСОМ	96-unc	Jun-01	20	æ	YES		
Air Conditioner, 36000 BTU C/H (M811) FY 99 FY 00 FY 01	Environmental Systems, Jackson, FL Environmental Systems, Jackson, FL Environmental Systems, Jackson, FL	C/FP C/FP C/FP	CECOM CECOM CECOM	Jun-99 Jul-00 Jan-01	Sep-00 Apr-01 Oct-01	150 100	999	YES YES YES		
Air Conditioner, 9000 BTU C/H (M915) FY 00 FY 01	7BS 7BS	C/FP C/FP	CECOM	Jan-00 Feb-01	Apr-01 Jul-01	75	ω ω	YES		Nov 01
Air Conditioner, 60000 BTU C/V (M825) FY 00 FY 01	7BS 7BS	C/FP C/FP	CECOM	May-00 Apr-01	Jul-01 Sep-01	50	<u>t</u> t	NO	Mar-00	Mar-00 Mar 00
REMARKS:										

								Date:		
Exhibit F	Exhibit P-5a, Budget Procurement History and Planning	History ar	nd Planning					Fet	February 2000	
Appropriation / Budget Activity/Serial No:		Weapon System Type:	m Type:		2-1 Line Item I	P-1 Line Item Nomenclature:				
OTHER PROCUREMENT / 3 / Other Support Equipment						ENVIRONME	ENVIRONMENTAL CONTROL UNITS (MF9000)	UNITS (MF9	(000	
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date Date of First	Date of First	ατγ	Unit Cost	Specs Avail F	Date R Revsn	RFP Issue Date
Fiscal Years		and Type			Delivery	Each	\$000		Avail	
Army Space Heater (ASH)	Enrinagation Air Svs St Louis MO	CFP Opt	CECOM	Mar-99	Feb-00	138	7	YES		
FY 00			CECOM		Jun-00	78	7	YES	-	
FY 00	TBS		CECOM		Jul-01	72	80	YES	_	Apr 00
FY 01	TBS	CFP Opt	СЕСОМ	Oct-00	Sep-01	100	8	YES		
Large Capacity Field Heater (LCFH) FY 01	TBS	9-	СЕСОМ	Jul-01	Nov-02	20	10	YES		Apr 01
										_
·										
REMARKS: Army Space Heater FY 00 procurement of 28 units represents final deliveries on contract DAAB07-97-C-E008. The additional procurement of 72 units in FY 00 represents an initial	of 28 units represents final deliveries	on contract [DAAB07-97-C-E008. The add	litional proce	Irement of	72 units in F	-Y 00 represer	ts an init	a	

Army Space Heater: FY 00 procurement of 28 units represents final deliveries on contract DAAB07-97-C-E008. The additional procurement of 72 units in FY 00 represents an initial procurement placed against a new requirements contract to be awarded July 00.

Exhibit P-40,	Justification Sheet
	Item
	Budget

								Date:				
		Exhibit P-40, Budget	0, Budget It	Item Justification Sheet	ation Sheet					February 2000		
Appropriation / Budget Activity/Serial No:	al No:					P-1 Item Nomendature:	re:					
по	OTHER PROCUREMENT / 3 / Other Support Equipment	/3/Other Support E	Equipment					臣	FIRETRUCKS (MA9600)	(0		
Program Elements for Code B Items:	ıs:			Code:	Other Related Program Elements:	am Elements:						
			- 	4								
	Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Qty	1063											1063
Gross Cost	142.2	0.0	0.0	16.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	158.7
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	142.2	0:0	0.0	16.5	0:0	0:0	0.0	0.0	0.0	0.0	0.0	158.7
Initial Spares												
Total Proc Cost	142.2	0.0	0.0	16.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	158.7
Flyaway U/C												
Wpn Sys Proc U/C												

DESCRIPTION: These vehicles are of standard commercial design with only slight modifications. This vehicle includes Pumper Trucks, Structrual Pumpers, Ladder Trucks, Brush/Mini Pumper Trucks, Hazmat/Rescue Trucks, Brush/Mini Pumper Trucks.

NOTE: See Item 10, OPA 1, for FY00-05

Exhibit P-5, Weapon OPA Cost Analysis	₹	Appropriation/ Budget Activity/Serial No: OTHER PROCUREMENT / 3 / Other Support	dget Activity/4 REMENT / 3	Serial No: Other Support		P-1 Line Item FI	P-1 Line Item Nomenclature: FIRETRUCKS (MA9600)	(0096		Weapon System Type:	Турв:	Date: Febr	February 2000
	9		Equipment			EV 99			E V			FY 04	
Cost Elements	: :	TotalCost	ĝ	UnitCost	TotalCost	ĝ	UnitCost	TotalCost	ð	UnitCost	TotalCost	ğ	UnitCost
	T	\$000	Each	\$000	\$000	Eac	\$000	\$000	Each	\$000	000\$	Each	\$000
1. Ladder Truck 2. Structural Pumper 3. Rescue Pumper 4. Airfield Crash Truck 5. Brush/Mini Pumper 6. Hazmat/Rescue Truck	44444				2444 7429 7429 3550 387 2053		489 212 225 323 147 171						
TOTAL					16513								

									Date:		
	Exhibi	Exhibit P-5a, Budget Procurement History and Planning	History	and Planning					æ	February 2000	
Appropriation / Bu	Appropriation / Budget Activity/Serial No:		Weapon System Type:	n Type:	-	P-1 Line Item Nomenclature:	nclature:				
OTHERF	OTHER PROCUREMENT / 3 / Other Support Equipment						FIRE	FIRETRUCKS (MA9600)	0)		
WBS Cost Elements:	ıts:	Contractor and Location	Contract	Location of PCO	Award Date	Date of First	αтν	Unit Cost	Specs	Date RF Revsn	RFP Issue Date
Fiscal Years			and Type			Delivery	Each	\$000	\dashv	Avail	
FY99 Ladder Truck Structural Pumper Rescue Pumper Airfield Crash Truck Brush/Mini Pumper Hazmat/Rescue Truck Structural Pumper	nper Truck mper nper	F1, F2, F5 (See Remarks) F1, F2, F4 (See Remarks) F1, GSee Remarks) F1, F6 (See Remarks) F1, F2 (See Remarks) F1, F2 (See Remarks) Nihon Kikai Kogyo Co	MIPR/FP MIPR/FP MIPR/FP MIPR/FP MIPR/FP	GSA GSA GSA GSA GSA OFF-SHORE (JAPAN)	Nov-98 Nov-98 Nov-98 Dec-98 Jun-99	May-99 Apr-99 Jun-99 May-99 Aug-99 Dec-99	c 8 c 1 t 4 c c	489 225 323 147 171 190	\ \frac{\tau}{\tau} \\ \		
REMARKS:	Contractor Codes for GSA multi vendor contracts: F1 - Emergency One (Ocala, FL) F2 - Pierce Manufacturing (Appleton, WI) F3 - Oshkosh Truck (Oshkosh, WI) F4 - Kovatch Mobile Equipment (Nesquehoning, PA) F5 - Seagrave (Clintonville, WI)	vendor contracts: L) leton, WI) WI) : (Nesquehoning, PA)		F6 - Fire Attacker (Petersberg, MI) *Delivery orders are established from GSA multi vendor contracts (available Jul 96 - Jun 01). Award, delivery dates, and contractors vary within truck type.	etersberg, stablished in 01). Awa e.	MI) from GSA I ard, delivery	multi ven dates, a	idor contrac	ots		

								Date:				
		Exhibit P-40, Budget	0, Budget It	Item Justification Sheet	ation Sheet					February 2000		
Appropriation / Budget Activity/Serial No:	al No:					P-1 Item Nomendature:	Э:					
OTh	OTHER PROCUREMENT / 3 / Other Support Equipment	/3/Other Support E	quipment					LAUNDRIES, SH	LAUNDRIES, SHOWERS AND LATRINES (M82700)	INES (M82700)		
Program Elements for Code B Items:	ió			Code:	Other Related Program Elements:	am Elements:						
	Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Qty												
Gross Cost	0.0	0.0	0.0	7.1	9.6	12.6	15.4	20.7	9.3	0.0	0.0	74.9
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	0.0	0.0	0.0	1.7	9.8	12.6	15.4	20.7	9.3	0.0	0.0	74.9
Initial Spares												
Total Proc Cost	0.0	0.0	0.0	7.1	9.8	12.6	15.4	20.7	9.3	0.0	0.0	74.9
Flyaway U/C												
Wpn Sys Proc U/C												

semi-trailer which can be towed by a five ton tractor. The LADS launders clothing at approximately four times the capacity of the current M-85 field laundry and recycles DESCRIPTION: Unit/organizational and field service equipment for enhancement of soldier efficiency, effectiveness, and sustainability. The Laundry Advanced System (LADS) is an advanced water recycling mobile field laundry. It consists of two laundry drums, water recycling equipment and a 30 Kw generator mounted on an M-871 area in a tent. This system allows soldiers to machine wash thier own clothing. The Containerized Shower (CS) consists of twelve shower stalls housed in a standard Self Service Laundry (CSSL) consists of commercial washing and drying equipment integrated into a standard ISO shipping container with an attached sorting/folding 99% of the water now used by four M-85s. LADS is fully programmable and performs washing, extracting and drying cycles all in the same drum. The Containerized 20' ISO shipping container. The CS will support up to 250 soldiers per day with near garrison quality shower facilities in a field environment.

JUSTIFICATION: FY01 funding allows the continuation of the LADS production to replace the current over-age, no longer supportable M-85 laundry.

oit P-5,		Appropriation/ Budget Activity/Serial No:	udget Activity	Appropriation/ Budget Activity/Serial No:		P-1 Line Item	P-1 Line Item Nomenclature:	SINIGHAL		Weapon System Type:		Date:	Fabriary 2000
OPA Cost Analysis		NOUL VIIIIO	Equipment	nodeno contro			(M82700)						
	₽		FY 98			FY 99			FY 00			FY 01	
Cost Elements	8	TotalCost	Qţ	UnitCost	TotalCost	Qfy	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
	П	000\$	Each	000\$	000\$	Each	000\$	\$000	Each	\$000	000\$	Each	\$000
Laundry Advanced System (M82701) Hardware					6316	4	451	7710	17	454	12409	27	460
Containerized Self Service Laundry (M82703) Hardware						-		925	12	77			
Containerized Shower (M82704) Hardware								863	15	58			
Engineering Support					215			153			100		
Testing					09			10					
Interim Contractor Logistics					160								
Quality Assurance			<u> </u>		100								
Manuals								10					
PM Support					270	•		131			7.1		
TOTAL					7121			9802			12580)	

Exhibit P	Exhibit P-5a. Budget Procurement History and Planning	listory ar	nd Planning					Date:	February 2000	
Appropriation / Budget Activity/Serial No:		Weapon System Type:	m Type:		P-1 Line Item Nomenclature:	Nomenclature:				
OTHER PROCUREMENT / 3 / Other Support Equipment					L	AUNDRIES, S	LAUNDRIES, SHOWERS AND LATRINES (M82700)	TRINES ()	(82700)	
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date Date of First	Date of First	αпν	Unit Cost	Specs Avail	_	RFP Issue Date
Fiscal Years		and Type			Delivery	Each	\$000	Now?	Avail	Ì
Laundry Advanced System M82701) FY 99 FY00 FY01	Guild Associates, Dublin, OH	C/CPIF Req5(1)	SBCCOM, Natick, MA	Jan-99 Jan-00 Jan-01	Aug-99 Apr-00 Apr-01	14 17	451 454 460	2	₹	₹ Z
Containerized Self Service Laundry (M82703) FY00	Tobyhanna Army Depot, PA	MIPR	SBCCOM, Natick, MA	Jan-00	May-00	12	77	Yes	¥	¥
Containerized Shower (M82704) FY00	7BS	C/FP	SBCCOM, Natick, MA	Jan-00	Jul-00	15	28	8	ž	∀ Z
REMARKS:										

						P-4	P-1 Item Nomenclature:	Pencia	ille:			١	١	l	ı	ı			Date:				l	l	ļ	
FY 00 / 01 BUDGET PRODUCTION SCHEDULE	ICTION (SCHE	DULE			<u> </u>		3	LAUNDRIES, SHOWERS AND LATRINES (M82700)	, SHO	WERS,	N Z	TRIN	S (M8)	2700)								February 2000	2000		
		_	PROC	⊢	⊢	L			먎	Fiscal Year 00	ear O		l						Fis	Fiscal Year 01	ear 0					7
		<i>v</i> ,						Н			ပြ	Calendar Year 00	ar Ye	ar 00				Ц		Čaj	enda	Calendar Year 01	ir 04			∢
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P-1 Item Nomenclature:

	Exhi	hibit P-40,	Budget It	em Justifi	bit P-40, Budget Item Justification Sheet	eet		Date:		February 2000		
Appropriation / Budget Activity/Serial No:	/Serial No:					P-1 Item Nomenclature:	ature:					
OTHER	OTHER PROCUREMENT / 3 / Other Support Equipment	73/Other Suppo			_		FLC	ODLIGHT SET, E	ELEC, TRL MTD,	FLOODLIGHT SET, ELEC, TRL MTD, 3 LIGHTS (M72100)	(00)	
Program Elements for Code B Items:	ltems:			Code:	Other Related Program Elements:	ogram Elements:						
	Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete Total Prog	Total Prog
Proc Qty				58	84		65	255	248	240		950
Gross Cost	0.0	0.0	0.0	1.9	2.4	0.0	1.3	4.2	4.2	4.1	0.0	18.1
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	0.0	0.0	0.0	1.9	2.4	0.0	1.3	4.2	4.2	4.1	0.0	18.1
Initial Spares												
Total Proc Cost	0.0	0.0	0.0	1.9	2.4	0.0	1.3	4.2	4.2	4.1	0.0	18.1
Flyaway U/C												
Wpn Sys Proc U/C												
DESCRIPCION: The Floodlight Set consists of four halogen bulbs on top of a telescopic mask which is mounted on a High Mobility Trailer (HMC). The Novered by an on-board 5 KW Tactical Quite Generator (TQG). The light system can also be operated from an external commercial power source. This program is needed to provide lighting support for all types of active Army, National Guard, and Reserve units.	The Flood em is powe er source.	ight Set co	nsists of fo on-board 5 am is needt	fur halogen KW Tactic ed to provik	t bulbs on tal Quite Go	cop of a tele enerator (T support for	scopic mar QG). The all types of	sk which is light syster f active Arn	mounted of normalson, Nation,	on a High I be operati al Guard, a	it Set consists of four halogen bulbs on top of a telescopic mask which is mounted on a High Mobility Trailer d by an on-board 5 KW Tactical Quite Generator (TQG). The light system can also be operated from an externs is program is needed to provide lighting support for all types of active Army, National Guard, and Reserve units.	ler e units.

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		Exhibit P-40, Budget		em Justific	Item Justification Sheet					Febryary 2000		
Appropriation / Budget Activity/Serial No:	I No:					P-1 Item Nomenclature:	re:					
ŧБ	OTHER PROCUREMENT / 3 / Other Support Equipment	7/3/Other Support &	Equipment					SOLDIEF	SOLDIER ENHANCEMENT (MA6800)	MA6800)		
Program Elements for Code B Items:	ž.			Code:	Other Related Program Elements:	am Elements:						
	Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Qty												
Gross Cost	30.5	0.0	1.6	4.7	3.6	4.0	3.1	3.1	5.8	6.1	0.0	62.4
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	30.5	0:0	1.6	4.7	3.6	4.0	3.1	3.1	5.8	6.1	0.0	62.4
Initial Spares												
Total Proc Cost	30.5	0.0	1.6	4.7	3.6	4.0	3.1	3.1	5.8	6.1	0.0	62.4
Fiyaway U/C												
Wen Sys Proc U/C												

sustainment. The M25 Stabilized Binocular provides the Soldier, both mounted and dismounted, with enhanced target acquisition capability by providing them with high magnification (14X), line of sight. The M25 is a high powered hand held binocular which uses a gyro stabilizer to compensate for the resolution degrading effects of DESCRIPTION: The Soldier Enhancement Program procures items to ensure combat Soldiers increase their lethality, survivability, mobility, command and control and using a hand held higher power optic and/or in moving vehicular scenarios.

JUSTIFICATION: FY01 continues procurement of the XM25 Stabilized Binocular. This procurement allows the Soldier to do target identification and battle damage assessment at extended ranges and increased on-the-move sighting capability. The XM25 has twice the magnification of the Army's standard M22 binoculars.

								Date:				
		Exhibit P-40, Budget	_	tem Justification Sheet	ation Sheet					February 2000		
Appropriation / Budget Activity/Serial No:	No:					P-1 Item Nomenclature:	ire:					
тo	OTHER PROCUREMENT / 3 / Other Support Equipment	/3/Other Support E	quipment				5	GHTWEIGHT MAIN	LIGHTWEIGHT MAINTENANCE ENCLOSURE (LME) (MA8061)	URE (LME) (MA806	£	
Program Elements for Code B Items:	isi			Code:	Other Related Program Elements:	am Elements:						
							PE: 0603747A/PE: 0604713A	PE: 0604713A				
	Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Qty					171	160	200	260	525	525		2441
Gross Cost	0.0	0.0	0.0	0.0	3.7	2.0	5.6	6.7	6.4	6.4	0.0	30.9
Less PY Adv Proc												
Plus CY Adv Proc								•				
Net Proc (P-1)	0.0	0.0	0.0	0.0	3.7	2.0	5.6	6.7	6.4	6.4	0.0	30.9
Initial Spares												
Total Proc Cost	0.0	0.0	0.0	0.0	3.7	2.0	5.6	6.7	6.4	6.4	0.0	30.9
Flyaway U/C												
Wpn Sys Proc U/C												

DESCRIPTION: The Lightweight Maintenance Enclosure is a rapidly deployable, lightweight shelter for maintenance functions across the battlefield. It will be used by maintenance units for maintenance missions that include tactical wheeled and track vehicles, aviation assets, and missile system maintenance. This is the first new maintenance tent to be fielded in the Army in over 40 years.

JUSTIFICATION: FY01 funding will procure a replacement for the FRITSCHE tent which has exceeded it's life expectancy. The LME provides an enhanced capability at 2/3 the cost and half the weight of the FRITSCHE tent.

Exhibit P-40	Budget Item Justification Shee

								Date:				
		Exhibit P-40, Budget		tem Justification Sheet	ation Sheet		•			February 2000		
Appropriation / Budget Activity/Serial No:	ial No:					P-1 Item Nomenclature:	re:					
TO OI	OTHER PROCUREMENT / 3 / Other Support Equipment	/3/Other Support E	Equipment					FOR	FORCE PROVIDER (M80200)	200)		
Program Elements for Code B Items:	ns:			Code:	Other Related Program Elements:	ım Elements:						
	Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Qty		8	2	4	3	3	3					23
Gross Cost	0.0	47.2	10.6	23.8	31.2	22.3	20.8	0.0	0.0	0.0	0.0	155.9
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	0.0	47.2	10.6	23.8	31.2	22.3	20.8	0.0	0:0	0.0	0.0	155.9
Initial Spares												
Total Proc Cost	0.0	47.2	10.6	23.8	31.2	22.3	20.8	0.0	0.0	0.0	0.0	155.9
Flyaway U/C												
Wpn Sys Proc U/C				·								

combat weary soldiers, theater reception/redeployemnt, intermediate staging base operations, humanitarian aid and disaster relief and other military operations such as base camps for peacekeeping/enforcement missions worldwide in theaters with immature infrastructure. Fully containerized for rapid deployment, Force Provider is welfare and recreation facilities and equipment in transportable modules capable of supporting up to 3000 troops. The Force Provider mission includes rest and refit for DESCRIPTION: This system is a fully engineered, deployable "tent city," that provides high quality climate-controlled billeting, dining, shower, latrine, laundry, morale transportable by rail, sea, roadway, and C-130, C-141, C-17 or C-5A aircraft. With the addition of Cold Weather Kits (CWK), the module is deployable in temperatures of -50 degrees Fahrenheit.

JUSTIFICATION: FY 01 funding is required to procure and assemble three modules with generators and two Cold Weather Kits (CWK).

oit P-5,		Appropriation/ Budget Activity/Serial No: OTHER PROCUREMENT / 3 / Other Sur	Budget Activit	Appropriation/ Budget Activity/Serial No: OTHER PROCUREMENT / 3 / Other Support		P-1 Line Ite FOF	P-1 Line Item Nomenciature: FORCE PROVIDER (M80200)	'M80200)		Weapon System Type:		Date: February 2000	February 2000
OPA COST Analysis			Equipment	ıt									
	QI		FY 98			FY 99			FY 00			FY 01	
Cost Elements	СD	L	\vdash		TotalCost	Q _t	UnitCost	TotalCost	Qŧ	UnitCost	TotalCost	Qfy	UnitCost
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Hardware (Module w/Generators)					16861	က	5620	11029	7	5515	17296	n	5765
Hardware (Module w/o Generators)					4675	_	4675	13193	ო	4398			
Cold Weather Kit (CWK) Hardware								4781	က	1594	3044	2	1522
PM Support					375			425			692		
Engineering Support					589			622			402		
ILS					1341			1139			829		
TOTAL					23841			31189			22263		
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Exhibit	Exhibit P-5a. Budget Procurement History and Planning	listorv ar	nd Planning					Date: Fe	February 2000	
Appropriation / Budget Activity/Serial No:		Weapon System Type:	n Type:		P-1 Line Item Nomenclature:	Nomenclature				
OTHER PROCUREMENT / 3 / Other Support Equipment						ō	FORCE PROVIDER (M80200)	180200)		
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date Date of First	Date of First	È	Unit Cost	Specs Avail	Date R Revsn	RFP Issue Date
Fiscal Years		and Type			Delivery	Each	\$000	Now?	Avail	
Hardware/Assembly FY 98 Module w/o Generators	Defense Depot Albany, GA	MIPR	SBCCOM	Jan-98	Mar-00	7	3718	YES	ON	
FY 99 Module w/Generators w/o Generators	Defense Depot Albany, GA	MIPR	SBCCOM	Jan-99	Dec-00	e ←	5620 4675	YES	99	
FY 00 Module w/Generators w/o Generators	Defense Depot Albany, GA	MipR	SBCCOM	Jan-00	Dec-01	9.0	5515 4398	YES	99	
FY 01 Module w/Generators	Defense Depot Albany, GA	MIPR	SBCCOM	Jan-01	Dec-02	м	5765	YES	9	
Hardware -* Cold Weather Kit FY00 FY01	Defense Depot Albany, GA Defense Depot Albany, GA	MIPR R	SBCCOM	Jan-00	Dec-01	ω Ν	1522	YES	0 0 2 2	
REMARKS: EV 08 deliveries slissed due to Defence Distribution Denset			The state of the s	L	=		6			

FY 98 deliveries slipped due to Defense Distribution Depot, Albany, GA late procurement of water connection kits. The new Estimated Delivery Date is March 00. *Quantities are non-additive.

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Module Assembly								H	H	Н	Н	Ц			H	Н	Н	Н	Н	Н	Н	Ц		Ц	Ц				
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Cold Weather Kit (CWK) Hardware								П	Н	H	Н	Н								_					_				
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		Exhibit P-40, Budget	_	Item Justification Sheet	ation Sheet					February 2000		
Appropriation / Budget Activity/Serial No:	l No:					P-1 item Nomendature:	.e:					
OTF	OTHER PROCUREMENT / 3 / Other Support Equipment	/3/Other Support E	quipment					FIELD FEEDING	FIELD FEEDING AND REFRIGERATION (M65800)	11ON (M65800)		
Program Elements for Code B Items:	is			Code:	Other Related Program Elements:	am Elements:						
							PE: 0604713A/PE: 0603747A	PE: 0603747A				
	Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Qty												
Gross Cost	0.0	0.0	0.0	12.4	8.6	12.0	8.9	21.7	21.6	21.3	0.0	106.6
Less PY Adv Proc												
Plus CY Adv Proc					<i>,-</i> -							
Net Proc (P-1)	0.0	0.0	0.0	12.4	8.6	12.0	8.9	21.7	21.6	21.3	0.0	106.6
Initial Spares												
Total Proc Cost	0.0	0.0	0.0	12.4	8.6	12.0	8.9	21.7	21.6	21.3	0.0	106.6
Flyaway U/C												
Wpn Sys Proc U/C												

DESCRIPTION: Provides equipment to conduct tactical food service operations, preparation, serving and cleanup, to feed soldiers appetizing and nutritious meals in the temperature sensitive materiels such as batteries and photographic equipment. The Food Sanitation Center is used by Field Services Companies to clean and sanitize cooking pots, pans and utensils. The Containerized Kitchen is a mobile field kitchen capable of providing 550 soldiers with three hot meals per day. field. Items include refrigeration equipment, field kitchens, and food sanitation equipment. In conjunction with food service personnel and field rations, this equipment comprises the Army Field Feeding System. Refrigeration units and insulated containers are for storage of perishable items including food and medical supplies, and

JUSTIFICATION: FY01 funding procurement will fill critical Army shortages, replace or upgrade overaged items and, in some cases, replaces equipment that present safety hazards.

Exhibit P-5, Weapon		Appropriation/ Budget Activity/Serial No:	dget Activity	//Serial No:		P-1 Line Item	P-1 Line Item Nomenclature:			Weapon System Type:		Date:	000
OPA Cost Analysis		OTHER PROCU	REMENT/3 Equipment	OTHER PROCUREMENT / 3 / Other Support Equipment		FELD FE	FIELD FEEDING AND REFRIGERATION	RIGERATION				ige.	raiy zooo
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Refrigeration Equipment (M65801) Sanitation Center, Field Feeding (M65802) Kitchen, Containerized, Field (M65803)					4852	101	186	826 596 6878	15 20 35	55 30 197	1391 4101 5816	25 128 30	56 32 194
Engineering Support					225			172	1000		228		
Testing					252						40		
Total Package Fielding					99			45			248		
PM Support				•	118			100			152		
TOTAL					12397			8617	ļ		11976		

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	Exhibit P-5a, Budget Procurement History and Planning	istory ar	na Planning					Fe	February 2000	0
Appropriation / Budget Activity/Serial No:		Weapon System Type:	m Type:		2-1 Line Item I	P-1 Line Item Nomenclature:	*			
OTHER PROCUREMENT / 3 / Other Support Equipment						FIELD FEEDIN	FIELD FEEDING AND REFRIGERATION (M65800)	RATION (M	65800)	
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs Avail	Date F Revsn	RFP Issue Date
Fiscal Years		and Type			Delivery	Each	\$000		Avail	
Refrigeration Equipment (M65801) FY99 FY00 FY01	Engineered Air Systems Inc. St. Louis, MO	C/FP-OPT	C/FP-OPT SBCCOM, Natick, MA	Feb-99 Jan-00 Jan-01	Aug-99 Jul-00 Jul-01	101 15 25	48 55 56	Š.	\$ \$ \$ \$	444
Sanitation Center, Field Feeding (M65802) FY00 FY01	TBS	C/FP-OPT	C/FP-OPT SBCCOM, Natick, MA	Jan-00 Jan-01	Mar-00 Mar-01	128	30	Yes	₹ ₹	A A
Kitchen, Containerized Kitchen (M65803) FY99 FY00 FY01	SFA Frederick Mfg. Frederick, MD	C/CPIF- OPT	SBCCOM, Natick, MA	Mar-99 Mar-00 Jan-01	Aug-00 Oct-00 Jun-01	37 35 30	186 197 194	Yes	A A A	4 4 4 2 2 2
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		Exhibit P-4	0, Budget It	em Justific	Exhibit P-40, Budget Item Justification Sheet					February 2000		
Appropriation / Budget Activity/Serial No:	al No:					P-1 Item Nomendature:	.e.					
Б	OTHER PROCUREMENT / 3 / Other Support Equipment	7/3/Other Support E	Equipment					AIR DR	AIR DROP PROGRAM (MA7804)	7804)		
Program Elements for Code B Items:	IS:			Code:	Other Related Program Elements:	am Elements:						
							PE: 0603747A/PE: 0604713A	PE: 0604713A				
	Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Qty												
Gross Cost	0.0	0.0	0.0	0.0	3.4	4.0	0.0	27.9	0.0	0.0	0.0	35.3
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	0:0	0:0	0.0	0.0	3.4	4.0	0.0	27.9	0.0	0.0	0.0	35.3
Initial Spares												
Total Proc Cost	0.0	0:0	0:0	0.0	3.4	4.0	0.0	27.9	0.0	0.0	0.0	35.3
Flyaway U/C												
Wnn Svs Proc 1 //C							, 1					

Static Line for personnel airdrop operations. The new C-17 can not use a 15 foot Static Line due to jumper safety issues. The Universal Static Line program will provide a single Static Line useable on all aircraft for personnel operations. The Extraction Paracute Jettison System provides safe and reliable jettison of extraction parachutes during cargo airdrop emergencies which reduce losses of Army equipment and decreases risk to the aircraft and personnel. improved safety and greater precision, balanced with reduced vulnerability of personnel, aircraft, aircrew and equipment. The Universal Static Line is a replacement for the existing 15 foot Static Line used in all Army, Navy, Air Force and Marine rotary and fixed wing aircraft to deploy airborne warfighters. Current aircraft uses a 15 foot DESCRIPTION: The airdrop systems and equipment provide advanced ariel delivery capabilities of personnel and cargo over a range of altitudes with emphasis on

JUSTIFICATION: FY01 funding procures airdrop capability enhancements necessary for the successful conduct of low level air delivery of personnel and warfighting supplies. This program will provide the capability to safely airdrop cargo from C-17 aircraft and provide improved safety and reliability for Army paratroopers.

Exhibit P-5, Weapon OPA Cost Analysis		Appropriation/ Budget Activity/Serial No: OTHER PROCUREMENT / 3 / Other Support	dget Activity/ REMENT / 3	Serial No: / Other Support		P-1 Line Iter AIR D	P-1 Line Item Nomenclature: AIR DROP PROGRAM (MA7804)	(MA7804)		Weapon System Type:	rype:	Date: Febru	February 2000
	2		Equipment FV 98			FV 90			EV ON			FX 64	
Cost Elements	8	TotalCost	₹	UnitCost	TotalCost	ĝ	UnitCost	TotalCost	δ	UnitCost	TotalCost	ð	UnitCost
	П		Each	\$000	\$000	Each	\$000	\$000		\$000	000\$	-	\$000
UNIVERSAL STATIC LINE EXTRACTION PARACHUTE JETTISON DEV (EPJI)	<u> </u>							976	11693 880	e e e e e e e e e e e e e e e e e e e	3971		
TOTAL								3327	1		3971		

								Date:				
		Exhibit P-40, Budget	0, Budget It	Item Justification Sheet	ation Sheet					February 2000		
Appropriation / Budget Activity/Serial No:	i No:					P-1 Item Nomendature:	re:					
ATO OT	OTHER PROCUREMENT / 3 / Other Support Equipment	/3/Other Support F	-quipment					CAMOU	CAMOUFLAGE: ULCANS (MA7900)	(A7900)		
Program Elements for Code B Items:				Code:	Other Related Program Elements:	am Elements:		r				
	Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Qty												
Gross Cost	0.0	0.0	0.0	0.0	12.9	0.0	0.0	0.0	0.0	0.0	0.0	12.9
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	0.0	0.0	0.0	0.0	12.9	0.0	0.0	0.0	0.0	0.0	0.0	12.9
Initial Spares												
Total Proc Cost	0.0	0.0	0.0	0.0	12.9	0.0	0.0	0.0	0:0	0.0	0.0	12.9
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

Ultra Light-Weight Camouflage Net Systems (ULCANS) is the improved camouflage for DOD. ULCANS provides increased survivability against multi spectral visual, infrared and radar threats; reduced probability of visual detection and enhanced thermal and radar signature suppression.

General Purpose, Woodland Radar Scattering is the only version available now. Desert, Urban and Snow Radar Scattering and Radar Transparent variants are being developed. The one ULCANS NSN: 1080-01-457-2956 includes the screen system, repair kit, and the support system, poles, shape disrupters, stakes and case. Not The ULCAN system is soldier friendly due to lighter weight, snag resistant design and a one piece shape disrupter which replaces the complex batten spreaders. interoperable with the older camouflage, LCSS.

Exhibit P-5, Weapon OPA Cost Analysis		Appropriation/ B OTHER PROCE	udget Activit) JREMENT / (Appropriation/ Budget Activity/Serial No: OTHER PROCUREMENT / 3 / Other Support		P-1 Line Iter CAMOL	P-1 Line Item Nomenclature: CAMOUFLAGE: ULCANS (MA7900)	4S (MA7900)		Weapon System Type:		Date: Feb	February 2000
	٩		Equipment EV 00			EV 00			EV 20			EV 04	
Cost Elements	<u> </u>	TotalCost	ð		TotalCost	ð	UnitCost	TotalCost	ð	UnitCost	TotalCost	ð	UnitCost
		\$000	Each	\$000	\$000	Each	\$000	000\$	Each	\$000	\$000	Each	\$000
CAMOUFLAGE NET SYSTEM	∢							12440	19346				
TECHNICAL SUPPORT								254					
NIGHT VISION LAB SUPPORT-TESTING								175					
TOTAL			·					12869					
	1												

ă	Exhibit P-5a, Budget Procurement History and Planning	History an	nd Planning					Date: Fet	February 2000	
Appropriation / Budget Activity/Serial No:		Weapon System Type:	m Type:		P-1 Line Item	P-1 Line Item Nomenclature:				
OTHER PROCUREMENT / 3 / Other Support Equipment	ent					CAMOL	CAMOUFLAGE: ULCANS (MA7900)	S (MA7900)		
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Award Date Date of First	ΩTY	Unit Cost		_	RFP Issue Date
Fiscal Years		and Type			Delivery	Each	\$000	Now?	Avail	
CAMOUFLAGE NET SYSTEM FY 00	MARCONI, LILLINGTON, NC	R/FP	СЕСОМ	May-00	Jul-00	19346	-	YES		
									1.000	
						·				
REMARKS: The ULCANS contract was awar	The ULCANS contract was awarded by ATCOM and transitioned to CECOM. The contract is in the third ordering period with two remaining ordering periods ending in Sep 02.	The contract	t is in the third ordering period	with two re	maining ord	ering perioc	ds ending in So	ap 02.		

FY 00 / 01 BUDGET PRODUCTION SCHEDULE	UCT	ON SC	HEDU	LE							CAM	CAMOUFLAGE: ULCANS (MA7900)	AGE:	ULCA	IS (M/	(7900)										February 2000	ary 200	8		
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CAMOUFLAGE NET SYSTEM							L						_	Н	_		Н		Ш									_		
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						Total Prog		306.8			306.8		306.8		
						To Complete Total Prog		0.0			0.0		0.0		
	February 2000		EQ) (ML5325)			FY 2005		25.0			25.0		25.0		
			ITEMS LESS THAN \$5.0M (CSS-EQ) (ML5325)			FY 2004		12.0			12.0		12.0		
Date:			ITEMS LESS TH			FY 2003		5.6			5.6		5.6		
		ature:				FY 2002		11.0			11.0		11.0		
	et	P-1 Item Nomenclature:		gram Elements:		FY 2001		1.9			1.9		1.9		
	cation She			Other Related Program Elements:		FY 2000		2.5			2.5		2.5		
	Exhibit P-40, Budget Item Justification Sheet			Code:		FY 1999		6.4			6.4		6.4		
	Budget It		rt Equipment			FY 1998		4.2			4.2		4.2		
	hibit P-40,		/3/Other Support Equipment			FY 1997		4.3			4.3		4.3		
	Ä	Serial No:	OTHER PROCUREMENT,	Items:		Prior Years		233.9			233.9		233.9		
		Appropriation / Budget Activity/Serial No:	OTHER	Program Elements for Code B Items:			Proc Qty	Gross Cost	Less PY Adv Proc	Plus CY Adv Proc	Net Proc (P-1)	Initial Spares	Total Proc Cost	Flyaway U/C	Winn Sue Droc 11/0

DESCRIPTION: These programs cover support equipment which have annual procurement of less than \$5 million. All procurements made with survey equipment, non-breathable air compressors, hygiene and food sanitation equipment. The systems and equipment procured on this line these funds are designated to support vital high priority requirements. The types of items procured on this budget line include assault boats, directly support the combat readiness and quality of life of every soldier in the Army, everyday.

type of equipment procured on this budget line is subject to high wash-out rates due to its extensive use and low unit price. This frequently makes these assets uneconomically repairable. This equipment affects the operational capability of units in the field for designated missions JUSTIFICATION: The FY01 funds support critical Army shortages and replace overaged, non-supportable and non-replaceable assets. The and training requirements. These assets improve units combat capability.

- 1. Inflatable Boat, 15 Person (M238): This is a fifteen person, inflatable assault boat. It is required for infiltration/exfiltration missions, river crossings, beach landings, beach reconnaissance, general utility work, bridge and harbor construction and drug enforcement/interdiction Current inventories exceed their useful life, are defective and pose a potential safety hazard. missions.
- 2. Outboard Motor, 35 hp (M359): This outboard motor provides propulsion for the 7 and 15 Person Inflatable Assault Boats. The current program will help fill critical requirements.

bit P-5,		Appropriation/ Budget Activity/Serial No:	Budget Act	ivity/Serial No:		P-1 Line It	P-1 Line Item Nomenclature:	P-1 Line Item Nomenclature:		Weapon System Type:		Date:	i: February 2000
OPA Cost Analysis		ddng	Support Equipment	nent		SUPPO	SUPPORT EQUIPMENT) (ML5325)	T) (ML5325)					,
	Ω		FY 98			FY 99			FY 00			FY 01	
Cost Elements	8	TotalCost	Δţ	UnitCost	TotalCost	Qfy	UnitCost	TotalCost	Oty	_	TotalCost	ğ	_
		000\$	Each	\$000	\$000	Each	\$000	000\$	Each	\$000	\$000	Each	\$000
Boat, Inflatable, 15 person (M238) Outboard Motor, 35 hp (M359)	∢ ∢				649	28	#	1186			1207 702	6 5 4	5 2
Cutting and Welding Set	∢ ◊							1154	n	382			
Sanitation Center	< <				1345	49	21						
88.cfm Air Compressor	∢ •				0007		6	203	ო	89			
Lightweight Maintenance Enclosure	∢ ◊				200	- S	37						
Containerized Seil Svo Lauriding Firetruck, Tactical	(∢				1685		421						
PM SPT. COSTS	4				188								
					-								
											-		
											2		
													-
TOTAL					6447			2543			1909	_	

Ш	Exhibit P-5a, Budget Procurement History and Planning	ent Hist	ory and Planning					Date:	February 2000	2000
		Weapon System Type:	am Tvoe:		D.1 Line Item N	a tolonomy				
OTHER PROCURENTY 3/ Other Support		nedo moderni			r-1 Line Item Nomendature: ITEMS LI	omenciatur ITEMS	e: LESS THAN	\$5.0M (C	inciature: ITEMS LESS THAN \$5.0M (CSS-EQ) (MA8050)	
WBS Cost Elements:	Contractor and Location	Contract	Location of PCO	Award Date	Date of First	ΩTY	Unit Cost	Specs	Date Revsn	RFP Issue Date
Fiscal Years		and Type			Delivery	Each	\$000	Now?	Avail	
Boat, Inflatable, 15 Person FY00 FY01	TBS TBS	F/FP Option	TACOM	Mar 00 Mar 01	Jul 00 Jul 01	99	12	Yes		Mar 00
Outboard Motor, 35 HP FY01	TBS	F/FP	TACOM	Apr 01	Aug 01	140		Š	Oct-00	Dec 00
Cutting and Welding Set FY00	TBS	C/FFP	TACOM-Rock Island	Apr 00	Sep 00	ю	385	Š	Mar 00	Feb 00
Air Compressor FY00	TBS	C/FFP	TACOM-Rock Island	Apr 00	Sep 00	ю	89	2	Mar 00	Feb 00
REMARKS:										

								Date:				
	Exhib	hibit P-40,	, Budget It	em Justifi	it P-40, Budget Item Justification Sheet	et				February 2000		
Appropriation / Budget Activity/Serial No:	y/Serial No:					P-1 Item Nomenclature:	lature:					
OTHE	OTHER PROCUREMENT / 3 /		Other Support Equipment				FAM	ILY OF TANK AS	FAMILY OF TANK ASSEMBLIES, FABRIC, COLLA (M19000)	IC, COLLA (M19	(000)	
Program Elements for Code B Items:	B Items:			Code:	Other Related Program Elements:	ogram Elements:						
				4								
	Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Qty												
Gross Cost	31.3	0.0	0.0	9.0	11.2	2.5	0.0	0.0	0.0	0.0	0.0	54.0
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	31.3	0:0		9.0	11.2	2.5	0.0	0.0	0.0	0.0	0.0	54.0
Initial Spares												
Total Proc Cost	31.3	0.0	0.0	9.0	11.2	2.5	0.0	0.0	0:0	0.0	0.0	54.0
Flyaway U/C												
Wpn Sys Proc U/C	,											
										•		

DESCRIPTION: A family of collapsible fuel and water tanks ranging from 3,000 to 50,000 gallon capacity, used as storage containers when

large capacity quick storage facilities are required. Tanks sizes Petroleum 3,000, 10,000, 20,000, 50,000 gallon

Tanks sizes Water 3,000, 10,000, 20,000, 50,000 gallon

(TAA05)/Army National Guard Division Redesign (ADRS) fieldings. These fieldings will involve the activation/conversion of 129 Petroleum and division, brigade, and battalion levels. These tanks are used to support humanitarian, disaster relief and peace keeping missions all over the JUSTIFICATION: The FY01 funding will support the procurement of various sizes of collapsible fabric tanks to meet Total Army Analysis 05 Water Quartermaster (QM) Units. The family of collapsible tanks (fuel and water) support the storage capability of the Army at the corps,

NOTE: On 2 December 1999, the Milestone Decision Authority (MDA) approved the transistion of major items, (test kits, tanks, and pumps) to secondary items no later than FY02 (1 Oct 2001). The current back orders for the items will both increase and the mix (quanitities) will change during FY00 and FY01 on at least a monthly basis. DA messages will be announcing this transistion plan to field units in January 2000. This will cause field units to assess service ability of the transistioned items. PM PAWS predicts a significant increase in back ordersas a result.

Cost Elements	bit P-5,		Appropriation/	Budget Ac	Appropriation/ Budget Activity/Serial No:		P-1 Line Ite	P-1 Line Item Nomenclature:	ure:		Weapon System Type:		Date:	
Cost Elements Cost Element	Cost		OTHER PR	OCUREME port Equip	NI / 3 / Other ment		FAMILY	RIC COLLAR	M19000)					aly 2000
Cost Elements Copy Lunicost Toda/Cost Gov Puricost Toda/Cost Gov Puricost Toda/Cost Copy Cardin Scoto Sc		₽		FY 98			FY 99			FY 00			FY 01	
State	Cost Elements	8	TotalCost		_	TotalCost	δţ	UnitCost	TotalCost	ð	UnitCost	TotalCost	Q	UnitCost
20K Tank, Collepsible, Petroleum			\$000	-	\$000	\$000	Each	\$000	\$000	Each	\$000	000\$	Each	\$000
State Colleg	 Hardware 20K Tank. Collapsible. Petroleum 	٨				3111		10					27	11
20K Tank, Collapsible, Water A Mark Collapsible, Water A Mark Collapsible, Water A Mark Collapsible, Water A Mark Collapsible, Water A Mark Collapsible, Water A Mark Collapsible, Water A Mark Collapsible, Water A Mark Collapsible, Water A Mark Collapsible, Water B Mark Collapsible, Water A Mark Collapsible, Water B Mark Collapsi	50K Tank, Collapsible, Petroleum	Α.				1874		1	•				32	20
1566 900 2 498 158 3 500	20K Tank, Collapsible, Water	∢ ◊							499 2182				3 8	1.
Consideration Consideratio		< <				1565		2					166	3
9 3000 Gallon Water Tanks 10 000 Gallon Water Tanks 10 000 Gallon Water Tanks 11						6		C						
Engineering Change Order/Proposal Documentation Engineering Support - In-House - In-Hous	3 000 Gallon Water Tanks					885		တ တ						
Engineering 143 165 Engineering Support 165 - In-House 20mind 165 Quality Assurance Support 1715 - In-House 1729 165 Frogram Management Support 1715 - In-House 1720 1715 - In-House 1720 1715 - In-House 1720 1720 - In-House 1720 1720 - In-House 1720 -						!								
Tight Support - In-House - Contract - Contract - Contract - Contract - In-House - Contract - Contract - In-House - Contract - In-House - ST2 - S16 -									77					
Contract Con						143			165			92		
Quality Assurance Support 1-In-House Program Management Support 572 516 516 517 517 517 517 518 518 518 518 518 518 518 518 518 518	- Contract					729			715			282		
572 516									Ğ			40		
9894	- In-nouse 7 Program Management Support					572			516 516			75		
8891														
11207								<u>-</u>						
8897														
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8891 11201														
8891 11201														
	TOTAL					8891			11201			2489		

								Date:		
Exhibit P-5	5a, Budget Procurement History and Planning	t History	and Planning					ą.	February 2000	900
Appropriation / Budget Activity/Serial No:		Weapon System Type:	m Type:		P-1 Line Item Nomenclature:	Nomenclatu	re:			
OTHER PROCUREMENT / 3 / Other Support Equipment					FAMILYC	JF TANK AS:	FAMILY OF TANK ASSEMBLIES, FABRIC, COLLA (M19000)	BRIC, CC	LLA (M1	(0006
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	ατγ	Unit Cost	Specs Avail	Date Revsn	RFP Issue Date
Fiscal Years		and Type			Delivery	Each	\$000	Now?	Avail	
1. Hardware			,							
20K Tank, Collapsible, Petroleum FY 99	Bell Avon. Picavunne	C/FP REG TACOM	TACOM	Apr-99 Apr-00	Apr-00	322	10	10 YES		
		5(5) C/FP REQ TACOM	TACOM	Jun-00 Jun-01	Jun-01	279	7			
		5(1) C/FP REQ TACOM	TACOM	Nov-00 Nov-01	Nov-01	27	-			
50K Tank, Collapsible, Petroleum		5(2)		· · · · · ·						
FY 99	GIA Containers, South Bend,	C/FP REG TACOM	ТАСОМ	Apr-99 Apr-00	Apr-00	172	Ξ	11 YES		
FY 00	GTA Containers, South Bend,	5(2) C/FP REG TACOM	TACOM	Jun-00 Jun-01	Jun-01	68	20			
FY 01	TBS**	5(3) C/FP REQ TACOM 5(2)	ТАСОМ	Nov-00 Nov-01	Nov-01	35	20			
20K Tank, Collapsible, Water FY 00	TBS	C/FP REG TACOM	TACOM	Jun-00 Jun-01	Jun-01	92	2	5 YES		
FY 01	TBS	5(1) C/FP REQ TACOM 5(2)	TACOM	Nov-00 Nov-01	Nov-01	70	5			
50K Tank, Collapsible, Water FY 00	TBS	C/FP REG TACOM	ТАСОМ	Jun-00 Jun-01	Jun-01	200	11	11 YES		
FY 01	TBS	5(1) C/FP REQ TACOM 5(2)	ТАСОМ	Nov-00 Nov-01	Nov-01	36	1			

**Omnibus Tank Contract second year. FY01 50K Tanks will be bought under the Omnibus Tank contract; FY01 is the second year of a five-year requirements contract. FY99 and FY00 50K Tank requirements were bought under a three year requirements contract with GTA Containers.

	Shihit D.53 Budget Drocurement History and Dianning	· Hietony	Diamina Diamina					Date:	February 2000	ع =
	oa, buuget rioculeilleil	I TISLOLY	allu riallillig					Ď	nuary 20	
Appropriation / Budget Activity/Serial No:		Weapon System Type:	am Type:		P-1 Line Item Nomenclature:	Nomenclatu	re:			
OTHER PROCUREMENT / 3 / Other Support Equipment					FAMILY C	OF TANK AS	FAMILY OF TANK ASSEMBLIES, FABRIC, COLLA (M19000)	BRIC, CO	LLA (M19	(000
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	ατν	Unit Cost	Specs Avail F	Date R Revsn	RFP Issue Date
Fiscal Years		and Type			Delivery	Each	\$000		Avail	
3K Tank, Collapsible, Water FY 99	GTA Containers, South Bend,	C/FP REQTACOM		66-6nY	May-00	006	2	YES		
FY 00	Reliance, Camden AK GTA Containers, South Bend,	5(1) C/FP REQ TACOM		Jan-00 Jun-01	Jun-01	158	8		-	
FY 01	n Bend,	5(2) C/FP REG TACOM	ТАСОМ	Nov-00 Nov-01	Nov-01	166	n			
2. Government Furnished Equipment	Reliance, Camden AK	5(3)						, <u>.</u>		
50,000 Gallon Bermliners FY 99	Defense Industrial Supply	MIPR	Defense Logistics Agency Jun-99 Nov-99	Jun-99	96-voN	114	80			
	Philadelphia, PA. Defense Industrial Supply	QQIA	Dofone of the Angelog Feb. 00	Loh-OO	0	48	o			
	Philadelphia, PA.		Deletise Edgistes Agency	3		3	•			
3,000 Gallon Water Tanks FY 99	Defense Industrial Supply	MIPR	Defense Logistics Agency Mar-99	Mar-99	Jun-99	7	9	••••	·	
	Philadelphia, PA.					-				
REMARKS:										

								Date:				
	Exhit	hibit P-40,	Budget II	tem Justif	bit P-40, Budget Item Justification Sheet	et				February 2000	:	
Appropriation / Budget Activity/Serial No:	//Serial No:					P-1 Item Nomendature:	ature:					
ОТНЕ	OTHER PROCUREMENT / 3,	1/3/Other Support Equipment	rt Equipment				,	QUALITY SURVE	QUALITY SURVEILLANCE EQUIPMENT (MB6400)	MENT (MB6400)		
Program Elements for Code B Items:	3 Items:			Code:	Other Related Program Elements:	gram Elements:						
				∢								
	Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2005 To Complete Total Prog	Total Prog
Proc Qty												
Gross Cost	17.1	0.0	0.0	0.0	6.2	7.1	9.7	40.5	2.5	2.6	0.0	83.5
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	17.1	0.0	0.0	0.0	6.2	7.1	7.6	40.5	2.5	2.6	0.0	83.5
Initial Spares												
Total Proc Cost	17.1	0.0	0.0	0.0	6.2	7.1	7.6	40.5	2.5	2.6	0.0	83.5
Flyaway U/C												
Wpn Sys Proc U/C												
- 3 - 1: - 3 4 1: - 1: - 1: - 1: - 1: - 1: - 1: - 1:	A C		and an examination	in a hamma deli	1	and the second s	to wilet of	f	9			

DESCRIPTION: A family of petroleum and water laboratories used to evaluate the quality of military fuels.

on petroleum products and offers immediate feedback of petroleum quality. PQAS is intended to replace the current Air Mobile Petroleum Labs the latest available commercial technology for petroleum testing. The system is used in forward areas to conduct over 20 different quality tests Petroleum Quality Analysis System (PQAS): The PQAS is a High Mobility Multipurpose Wheeled Vehicle (HMMWV) mounted lab that utilizes on a 1:1 basis. PQAS is a Force XXI multiplier with a two soldier crew instead of the present four soldiers required for the Air Mobile Lab.

flash point testing and distillation testing of various ground fuels. Mission requirements will determine the type of tests that must be performed based on the types of fuel available. These test kits are used throughout the theater of operations to provide quality surveillance of fuels. The Ground Fuel Test Kit (GFTK): The GFTK is designed to be a self-contained petroleum testing apparatus capable of performing fuel sampling, kits are designed to provide a final check on fuel quality and include only tests which indicate the most common forms of fuel contamination such as inclusion of water and sediment or commingling.

reliance on the mobile and base laboratories assigned to units operating within the bulk petroleum distribution system. These test kits are used in aviation units and selected ground units in which large volumes of fuel are consumed by aircraft, vehicles and stationary equipment. The kit Aviation Fuel Contamination Test Kit (AFTK): The AFTK is used in Quartermaster units with bulk petroleum storage and supply missions and is required in units and at locations where the requirement for rapid results of selected tests, to insure product quality prior to use, precludes

				Date	
Exhibit P-40C Budget Item Justification Sheet	em Justi	fication Sh	leet	-	February 2000
Appropriation / Budget Activity/Serial No.			P-1 Item Nomendature		1
OTHER PROCUREMENT / 3 / Other Support Equipment				QUALITY SURVEILLA	QUALITY SURVEILLANCE EQUIPMENT (MB6400)
Program Elements for Code B Items	Code	Code Other Related Program Elements	ogram Elements		
	A				

Water Quality Assurance System - Purification (WQAS-P): The WQAS-P set is used in divisional and nondivisional water purification elements geographical areas. The kit is used in daylight and under blackout conditions, battlefield conditions (e.g., electronic counter measures (ECM), smoke and dust). The WQAS-P is used by Quartermaster water production personnel and by Medical Preventive Medicine units located at to provide essential data for operation of reverse osmosis water purification units (ROWPUs); tactical water purification systems (TWPS); water storage and distribution systems; and in preventive medicine elements for determination of water potability. The set is used in all Division, Corps and Echelon above Corps (EAC) levels.

JUSTIFICATION: The FY-01 funding will support the procurement of Quality Surveillance Equipment, to improve the Petroleum and Water required to conduct quality tests on petroleum products. The Aviation Fuel Contamination Test Kit is required for petroleum quality control quality assurance and quality surveillance. With this means of insuring quality surveillance on the battlefield, U.S. Armed Ground Forces' (ARDS). TAA05 will involve the activation/conversion of 129 Petroleum and Water QM Units. The Petroleum Quality Analysis System is Quartermaster (QM) warfighting capabilities required by Total Army Analysis 05 (TAA05)/Army National Guard Division Redesign Study strategic responsiveness and its force projection globally are greatly improved.

Exhibit P-5, Weapon	_	Appropriation	/ Budget Ac	Appropriation/ Budget Activity/Serial No:		P-1 Line Ite	P-1 Line Item Nomenclature:	ire:		Weapon System Type:		Date:	
OPA Cost Analysis		OTHER PR	PROCUREMENT / 3 Support Equipment	OTHER PROCUREMENT / 3 / Other Support Equipment			GUALITY SURVEILLANCE EQUIPMENT (MB6400)	15400)				D D	lary 2000
	₽		FY 98			FY 99			FY 00			FY 01	
Cost Elements	8	TotalCost	_	UnitCost	TotalCost	Qfy	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
	H	\$000	Each	000\$	000\$	Each	000\$	000\$	Each	\$000	000\$	Each	\$000
1. Hardware Petroleum Quality Analysis System Ground Fuel Test Kit Aviation Fuel Test Kit Aviation Fuel Test Kit Aviation Fuel Test Kit Water Quality Analysis Set Documentation A. Testing - First Article Test (ATC) S. Engineering Support - In-House - Contractor 6. Quality Assurance Support - In-House 7. Program Management Support 8. System Fielding Support (FDT, TPF, ICLS) ICLS)	4444							3640 424 536 821 60 70 117 178 108	65 136 191	520 7 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	4160 276 375 185 180 400 481 467 467	ω 5θ	520
TOTAL								6225			7120		
	1												

4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	So Budget Broomson	. History	Panina Diana					Date: Fe	February 2000	000
- 1	EXIIIDIL F-3a, Duuget Floculeilleilt nistoly allu Flaillilig	nistory	allu rialillilg						- 6	
Appropriation / Budget Activity/Serial No:		Weapon System Type:	em Type:		P-1 Line Item Nomenclature:	Nomenclatu	.e.			
OTHER PROCUREMENT / 3 / Other Support Equipment					σn	LITY SURV	QUALITY SURVEILLANCE EQUIPMENT (MB6400)	JIPMENT	(MB6400	6
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date Date of First	Date of First	ΩTY		Specs Avail	_	RFP Issue Date
Fiscal Years		and Type			Delivery	Each	\$000	Now?	Avail	
1. Hardware										
Petroleum Quality Analysis System FY 00	TBS	/FP REQTACOM	TACOM	Jun-00	Dec-01	7	520	520 YES		Nov 99
FY 01	TBS	5(1) /FP REQTACOM		Jun-01 Dec-02	Dec-02	ω	520			
Ground Fuel Test Kit FY 00	TBS	5(2) /FP REQTACOM		Feb-00 Sep-00	Sep-00	65	7	7 YES		Sep 99
Aviation Fuel Test Kit FY 00	TBS	/FP REQTACOM	TACOM	Feb-00 Sep-00	Sep-00	136	4	4 YES		Sep 99
FY 01	TBS	5(1) /FP REQTACOM		Feb-01	Sep-01	69	4			
Water Quality Analysis Set Purfication FY 00	TBS	9(2) /FP REGTACOM 5(1)		Feb-00 Sep-00	Sep-00	191	4	YES		Sep 99
REMARKS:										

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	EX	hibit P-40.	Budget It	em Justifi	Exhibit P-40, Budget Item Justification Sheet	et		Care:		February 2000		
	- 1		,			P-1 Item Nomenclature:	ature:			1		
Appropriation / Budget Activity/Serial 140:	voeriai NO.											
OTHER	OTHER PROCUREMENT	73/Other Support Equipment	t Equipment					DISTRIBUTION	DISTRIBUTION SYS, PET & WATER (MAGOUO)	TER (MA6000)		
Program Elements for Code B Items:	I tems:			Code:	Other Related Program Elements:	ogram Elements:						
				∢								
	Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete Total Prog	Total Prog
Proc Otv												
Gross Cost	133.2	0.0	0.0	5.9	12.6	13.6	12.7	45.5	25.0	23.9	0.0	272.3
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	133.2	0.0	0.0	5.9	12.6	13.6	12.7	45.5	25.0	23.9	0.0	272.3
Initial Sparos												
Total Droc Cost	133.2	0.0	0.0	5.9	12.6	13.6	12.7	45.5	25.0	23.9	0.0	272.3
The state of the s												
riyaway O/C												
Won Svs Proc U/C												

ground vehicles and other Army equipment. Distribution Systems are comprised of hoses, pumps, tanks, filter separators, fittings, couplings, Department of Defense (DOD) forces in the various theatres of operations. These systems support the Army's mission of refueling aircraft, DESCRIPTION: The Family of Petroleum and Water Distribution Systems supports the Army's mission to supply bulk fuel and water to all and nozzles Advance Aviation Forward Refueling System (AAFARS): The AAFARS is a four point refueling system that provides filtered fuel at the rate of 55 GPM to each of four nozzles simultaneously. The AAFARS is a Force XXI multiplier with the capability to refuel four aircraft simultaneously, thus reducing refueling time and enhancing mission performance. The AAFARS consists of a pumping system, a filtration system, nozzles, hoses, couplings, and grounding rods in sufficient quantities to provide four refueling points at 100 foot separations beteween nozzles. The AAFARS is designed to fulfill the urgent requirement for forward "hot" refueling point operations.

distribution point or directly into a vehicle/aircraft. It consists of 13,000 feet of 4 inch fuel hose, along with couplings, valves, and other related Hoseline Outfit Fuel Handling: This rapid installation, repositioning, and recovering system is used to move fuel from a storage point to a equipment and it has a "through put" rate of 350 Gallons per Minute (GPM). Tactical Water Distribution Equipment System (TWDS): This system consist of five or six Pumping Stations, a ten mile Hoseline Segment, two Storage Assemblies, and two Distribution Points. Equipment configuration is dependent on terrain and distance over which water must be

			0	Date
Exhibit P-40C Budget Item Justification Sheet	em Justif	fication She	et	February 2000
Appropriation / Budget Activity/Serial No.		<u>a</u>	P-1 Item Nomendature	
OTHER PROCUREMENT / 3 / Other Support Equipment				DISTRIBUTION SYS, PET & WATER (MA6000)
Program Elements for Code B Items	Code	Code Other Related Program Elements	ram Elements	
	4			

Water Storage Distribution System (WSDS): This system is configured for maximum water storage and distribution capacity. Commanders will transported in a combination of TRICONS and ISO containers. Additional components are available in the accessories kit to adapt the system components include 350 and 125 GPM Pumps, 20,000 gallon collapsible tanks, four-inch interconnector kits and hoses. They are stored and determine how many of the system components must be connected, and in what configuration, based on mission requirements. Main to a varying site and operational needs.

Forward Area Water Point Supply System (FAWPSS): This system is lightweight and used to support forward units that cannot access a major water distribution system. It supports up to 163 people per day in an arid environment.

3,000 GPH Tactical Water Purification System (3K TWPS): This system is capable of purifying up to 2000 gallons per hour from saltwater sources and 3,000 gallons per hour from fresh water sources. It is designed to purify dirty fresh water, brackish water, sea water, and fresh water containing nuclear, biological, or chemical agents. Supports both Corps and Division Forces as well as disaster relief operations.

involve the activation/conversion of 129 Petroleum and Water QM Units. These systems are the U.S. Armys' primary means of distributing and JUSTIFICATION: The FY-01 funding will support the procurement of Distribution Systems to improve the Petroleum and Water Quartermaster (QM) Warfighting Capabilities required by Total Army Analysis 05 (TAA05)/Army National Guard Division Redesign Study (ADRS). TAA05 will issuing bulk petroleum and water.

bit P-5,	Ì	Appropriation/	Budget Ac	Appropriation/ Budget Activity/Serial No:		P-1 Line Ite	P-1 Line Item Nomenclature:	JF6:		Weapon System Type:		Date:	
OPA Cost Analysis		ldns S	Support Equipment	ment		200	(MA6000)					-	2007
	₽		FY 98			FY 99			FY 00			FY 01	
Cost Elements	0	TotalCost	Qţ	UnitCost	TotalCost	Qfy	UnitCost	TotalCost	Qfy	UnitCost	TotalCost	Qţ	UnitCost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	000\$	Each	\$000
 Hardware AAFARS 3000 GPH Tactical Water Purification 	∢ ∢				3391	18	188	1647	69	183 428	1995	10	200
Hoseline Outfit Fuel Handling								1316	4	94			221
Tactical Water Distribution System Water Storage Distribution System	∢ ∢							3216 720	4 w	240 240	2629 1179	ດມຕ	876 236
Gallon Water Storage Distribution System	٧							122	~	122			
Gallon Forward Area Water Point Supply Sys	٧										144	12	12
					357			849			391		
 Documentation Testing (Air Drop Test - ATC - FY99) 					136			333			345		
_					2			149			212		
5. Engineering Support					70			547			564		
					782			258			450		
o. Quality assurance Support In-House								100			100		
7. Program Management Support 8. System Fielding Support FDT, TPF, N	_ ÿ	~			532			289		-	380 698		
ICLS)					•								
9. Tool Kits 10. Refurbishment - AAFARS					116								
			-										
TOTAL					5879			12583			13516		
	1												

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	EXIIIDIL F-54, Dudget Floculeinent mistory and Flaining	TISTOLY	dilu riallillig						enidaiy	2007
Appropriation / Budget Activity/Serial No:		Weapon System Type:	tem Type:		P-1 Line Item Nomenclature:	Nomenclatu	re:			
OTHER PROCUREMENT / 3 / Other Support Equipment					.	NSTRIBUTIC	DISTRIBUTION SYS, PET & WATER (MA6000)	WATER	(MA6000	_
WBS Cost Elements:	Contractor and Location	Contract	Location of PCO	Award Date	Date of First	QITY	Unit Cost	Specs Avail	Date Revsn	RFP Issue Date
Fiscal Years		and Type			Delivery	Each	\$000	Now?	Avail	
1. Hardware										
FARS	Lear Astronics Corp, Ontario,	i i		9	2	,	•			
FY 99		/FP REQ I ACOM 5(5)	I ACOM	Jan-98	Mar-uu	<u>2</u>	<u>8</u>	YES		
FY 00	TBS	/FP REGTACOM		Apr-00	Apr-01	თ	183			Nov 99
FY 01	TBS	/FP REQTACOM	TACOM	Jan-01	Jan-02	9	200			
3000 GPH Tactical Water Purification Systen		2(5)			,					
FY 00	TBS	/FP REQTACOM	TACOM	Jun-00	Feb-01	9	428	YES		Nov 99
seline Outfit Fuel Handling										;
FY 00	TBS	/FP REC	FP REGTACOM	Mar-00 Mar-01	Mar-01	4	96	YES		Sep 99
FY 01	TBS	/FP REQ	/FP REQTACOM	Mar-01 Mar-02	Mar-02	50	221			
Tactical Water Distribution System		02)9								
-	Sierra Army Depot, Herlong, Sierra Army Depot, Herlong,	MIPR	TACOM	Jan-00	Jun-00	4 %	804	A X		
				5		5	5			
Water Storage Distribution System 80,000 GA FY 00 FY 01 FY 01	Sierra Army Depot, Herlong, Sierra Army Depot, Herlong,	MIPR MIPR	TACOM	Jan-00 Jan-01	Jun-00	വ	240	₹ Z Z		
Water Storage Distribution System 40,000 GAI Sierra Army Depot, Herlong, FY 00	Sierra Army Depot, Herlong,	MiPR	TACOM	Jan-00	Jun-00		122	Ν V		
REMARKS:										

Exhibit P.5	Exhibit P-5a Budget Procurement History and Planning	History	and Planning					Date:	February 2000	8
Appropriation / Budget Activity/Serial No:		Weapon System Type:	em Type:		P-1 Line Item Nomenclature:	Nomenclatu	ي يو			
OTHER PROCUREMENT / 3 / Other Support Equipment					O	ISTRIBUTIO	DISTRIBUTION SYS, PET & WATER (MA6000)	WATER (M	(A6000)	
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date Date of First	Date of First	αTY	Unit Cost	Specs I Avail R	Date R Revsn	RFP Issue Date
Fiscal Years		and Type			Delivery	Each	\$000		Avail	
Forward Area Water Point Supply System (FAWPSS) FY 01	Sierra Army Depot, Herlong,	MIPR	ТАСОМ	Feb-01 May-01	Мау-01	2	5	A Y		
REMARKS:										

								Date:				
	Exhil	hibit P-40,	Budget It	em Justifi	bit P-40, Budget Item Justification Sheet	et				February 2000		
Appropriation / Budget Activity/Serial No:	y/Serial No:					P-1 Item Nomenclature:	ature:					
ОТНЕ	OTHER PROCUREMENT / 3.	/ 3 / Other Support Equipment	rt Equipment					PUMPS, W	PUMPS, WATER AND FUEL (M61200)	(M61200)		
Program Elements for Code B Items:	B Items:			Code:	Other Related Program Elements:	gram Elements:						
				∢								
	Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete Total Prog	Total Prog
Proc Qty					146							146
Gross Cost	0:0	0.0	0.0	6.0	3.7	0.0	0.0	0.0	0.0	0.0	0.0	4.0
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	0:0	0.0	0.0	6.0	3.7	0.0	0.0	0.0	0.0	0.0	0.0	4.0
Initial Spares												
Total Proc Cost	0.0	0.0	0.0	0.3	3.7	0.0	0.0	0.0	0.0	0.0	0.0	4.0
Flyaway U/C												
Wpn Sys Proc U/C												
										,		

petroleum and water pumps are used with most of the Army's petroleum and water distributing systems. The pumping assemblies are used to supply Service Companies, Military Police Camps, Decontamination Squads, Mobile Hospitals, laundry/shower units and and Water Pumps are the primary means of transferring critical support items (fuel and water) to the soldiers and equipment. The Army utilizes various fuel pumping assemblies for the receipt and storage of bulk petroleum and for its issue to combat forces under tactical conditions. The Usually, these pumps are components of petroleum and water systems, e.g., pipeline pump stations or pipeline support equipment. Petroleum DESCRIPTION: The family of portable water and fuel pumps have operational rates ranging from 50 Gallons per Minute (GPM) to 800 GPM. Field Operations Activities.

100 GPM Pumps: This pump is a self-priming diaphragm pump designed to pump water out of ditches and low areas.

consists of an air cooled, three cylinder diesel engine and a self-priming centrifugal pump mounted on a two wheel frame assembly. It has its 350 GPM Pumps, Regulated and Un-regulated: Specifically designed to transfer gasoline, jet fuels, light liquid petroleum fuel and water. It own control panel, suction and discharge valves. An internal fuel tank supplies fuel to the diesel engine. The 350 GPM Pump is a selfsupporting assembly, transportable by towing vehicles to the field.

Exhibit P-5, Weapon		Appropriation/ OTHER PRC	Budget Ac	Appropriation/ Budget Activity/Serial No: OTHER PROCUREMENT / 3 / Other		P-1 Line It PUMPS, v	P-1 Line Item Nomenclature: PUMPS, WATER AND FUEL (M61200)	ure: JEL (M61200)		Weapon System Type:		Date: Febru	: February 2000
1600		Sup	Support Equipment	ment									
	Ω		FY 98			FY 99			FY 00			FY 04	
Cost Elements	S	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qţ	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	000\$	\$000	Each	\$000	\$000	Each	\$000	000\$	Each	\$000
1. Hardware Depot Assembly, 100 GPM Pump Pump Assembly, Regulated, 350 GPM Pump Assembly, Unregulated, 350 GPM 2. Engineering Change Order/Proposal 3. Documentaton 4. Engineering Support In-House Contract 5. Program Management Support 5. Program Management Support	44				73 30 224			1500 1536 213 255 176	98	0.9 94			
TOTAL					337			3680					
	ı												

								Date:		
Exhibit P.	5a, Budget Procurement History and Planning	History	and Planning					Febr	February 2000	。
Appropriation / Budget Activity/Serial No:		Weapon System Type:	tem Type:		P-1 Line Item Nomenclature:	n Nomencla	ture:			
OTHER PROCUREMENT / 3 / Other Support Equipment						PUMPS, \	PUMPS, WATER AND FUEL (M61200)	IEL (M6120	6	
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	ΩT	Unit Cost	Specs D Avail Re	Date RF Revsn	RFP Issue Date
Fiscal Years		and Type			Delivery	Each	\$000		Avail	
1. Hardware										
Pump Assembly, Regulated, 350 GPM										
FY 00	TBS	C/FP	TACOM	Jun-00 Jun-01	Jun-01	20	30	30 YES	<u>o_</u>	Oct 99
Pump Assembly, Unregulated, 350 GPM		() 2 2 1 1								
FY 00	TBS	C/FP	TACOM	Jun-00 Jun-01	Jun-01	96	16	16 YES		
		(7)C 2)C 2)C 2)C 2)C 2)C 2)C 2)C 3)C 3)C 3)C 3)C 3)C 3)C 3)C 3)C 3)C 3								
									,	
						-				
						•				
REMARKS:									1	

P-40	Sheet
Exhibit	ustification
	t Item J
	Budget

								Date:				
1 70		Exhibit P-40, Budget		tem Justification Sheet	tion Sheet					February 2000		
Appropriation / Budget Activity/Serial No:	al No:					P-1 Item Nomenclature:	ıre:					
Б	OTHER PROCUREMENT / 3 / Other Support Equipment	/3/Other Support E	equipment					HOSELINE OF	HOSELINE OUTFIT FUEL HANDLING (M90800)	ING (M90800)		
Program Elements for Code B Items:	ls:			Code:	Other Related Program Elements:	am Elements:						
				∢	-							
	Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Qty	159					20	45	51	47	22		379
Gross Cost	20.8	0.0	0.0	0.0	0.0	6:9	5.3	5.9	5.5	3.1	0.0	46.5
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	20.8	0.0	0.0	0.0	0.0	5.9	5.3	5.9	5.5	3.1	0.0	46.5
Initial Spares												
Total Proc Cost	20.8	0.0	0.0	0.0	0:0	5.9	5.3	5.9	5.5	3.1	0.0	46.5
Flyaway U/C												
Wpn Sys Proc U/C												

vehicle/aircraft. It consists of 13,000 feet of 4 inch fuel hose, along with couplings, valves, and other related equipment. It has a "through put" rate of 350 gallons per DESCRIPTION: This rapid installation, repositioning, and recovering system is used to move fuel from a storage point to a distribution point or directly into a minute.

Quartermaster (QM) Petroleum Oil Lubricant (POL) supply companies and QM pipeline terminal operating companies to pass fuel forward from corps areas to division areas; and if tactical situations permit, from division areas forward. As such, the Hoseline Outfit is a war stopper. JUSTIFICATION: The FY01 funding for the Hoseline Outfit procurement is required to provide incremental replacement of deteriorated assets as well as to support TAA05 new fieldings. Most of the inventory (69%) is overaged and has exceeded its useful service life. The Hoseline Outfit is required in corps support units,

oit P-5,	_	Appropriation/ Budget Activity/Serial No:	iget Activity/	Serial No:		P-1 Line Item	P-1 Line Item Nomenclature:	CNICNAH		Weapon System Type:		Date: Febru	February 2000
OPA Cost Analysis		O I I I I I I I I I I I I I I I I I I I	Equipment	onial support			(M90800)						2002
	₽		FY 98			FY 99			FY 00			FY 01	
Cost Elements	8	TotalCost	ğ	UnitCost	TotalCost	οţ	UnitCost	TotalCost	Qfy	UnitCost	TotalCost	Oth	UnitCost
		\$000	Each	\$000	\$000	Each	\$000	000\$	Each	000\$	000\$	Each	\$000
1. Hardware 1. Hardware 1. Engineering Change Order/Proposal 2. Engineering Support 1. In-House 1. Quality Assurance 1. House 5. Program Management Support 6. System Fielding Support (FDT, TPF, NET - ICLS)	۷										4800 200 220 22 85 287 196	04	120
FY00 Hoseline Outfit appears on Distribution Sys, Pet & Water P-FORMS													
TOTAL											5878		

Exhibit P	Exhibit P-5a, Budget Procurement History and Planning	History an	nd Planning					Date:	February 2000	9
Appropriation / Budget Activity/Serial No:		Weapon System Type:	n Type:		P-1 Line Item Nomenclature:	Nomenclature:				
OTHER PROCUREMENT / 3 / Other Support Equipment						HOSELINE C	HOSELINE OUTFIT FUEL HANDLING (M90800)	DLING (M9		
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Award Date Date of First	αTY		Specs Avail		RFP Issue Date
Fiscal Years		and Type			Delivery	Each	\$000	Now?	Avail	
dware seline Outfit										
FY01	TBS	C/FP REQ TACOM 5(2)	TACOM	Jan-01	Jan-02	40	120	120 YES	¥ Ž	
							de la contraction			
									0 10	
REMARKS:									1	
First year FY00 Hoseline Outfit contract information C/FP	nformation C/FP REQ 5(1) appears on Distribution Sys, Pet & Water.	on Distribution	n Sys, Pet & Water.							

								Date:				
		Exhibit P-40, Budget	0, Budget It	Item Justification Sheet	ation Sheet					February 2000		
Appropriation / Budget Activity/Serial No:	No:					P-1 Item Nomendature:	re:					
то	OTHER PROCUREMENT / 3 / Other Support Equipment	T/3/Other Support E	quipment					INLAND PETROLEI	INLAND PETROLEUM DISTRIBUTION SYSTEM (MA5120)	SYSTEM (MA5120)		
Program Elements for Code B Items:	.g:			Code:	Other Related Program Elements:	am Elements:						
				٧								
	Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Qty				•								
Gross Cost	279.9	0.0	1.0	8.2	6.8	5.6	1.7	1.4	1.2	1.2	0.0	307.1
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	279.9	0:0	1.0	8.2	6.8	5.6	1.7	1.4	1.2	1.2	0:0	307.1
Initial Spares												
Total Proc Cost	279.9	0.0	1.0	8.2	6.8	5.6	1.7	1.4	1.2	1.2	0.0	307.1
Flyaway U/C												
Wpn Sys Proc U/C												

forces. IPDS is the storage and/or distribution of fuel in more than one area of conflict. The IPDS is a rapid-deployment, general support, bulk fuel storage and pipeline system. It consists of: Fuel Units, Pipeline Connection Assembly (PLCA), Pipeline Pump Stations, Pipeline Sets and Special Purpose Equipment. The IPDS is modular DESCRIPTION: Inland Petroleum Distribution System (IPDS) is an operational project for distribution of bulk petroleum fuels to all Department of Defense land based operational force with bulk fuels. Fuel is pumped inland by means of a Pipeline system and Pump Stations to Fuel Units. IPDS integrates Palletized Loading System in design and can be tailored for specific locations and operations. It consists of both commercially available and military standard petroleum equipment that can be assembled by U.S. Army personnel into an integrated petroleum distribution system. The IPDS system provides the U.S. Army with the capability to support an (PLS) technology.

independently, it is designed to load or unload fuel to/from tanker trucks via the tanker truck receipt manifold. Fuel unloaded from a tanker-truck is diverted to any of six 210,000 gallon fabric collapsible tanks. A 600 Gallon per Minute (GPM) pump is used to circulate fuel within these tanks, to draw it out of them, and to pump it to a fuel Fuel Unit: A Tactical Petroleum Unit (TPT) is comprised of three fuel units. The Fuel Unit can be used independently or in combination with another Fuel Unit. Used dispensing assembly. The storage capacity of a fuel unit is 1,260,000 gallons of fuel. A fuel unit can also be attached to a pipleline by means of the PLCA.

PLCAs are comprised of the following major components: Contaminated Fuel Module (one each), Transfer Hoseline Assembly (one each), Support Equipment, Pipeline Connection (one each), Switching Manifold (one each), Fire Suppression Equipment (one each).

Exhibit P-40C	Justification Sheet
	Item
	Budget

				Date
Exhibit P-40C Budget II	em Justific	Item Justification Sheet		February 2000
Appropriation / Budget Activity/Serial No.		P-1 Ite	P-1 Item Nomenclature	
OTHER PROCUREMENT / 3 / Other Support Equipment				INLAND PETROLEUM DISTRIBUTION SYSTEM (MA5120)
Program Elements for Code B Items	Code	Other Related Program Elements	ments	
	∢			

DESCRIPTION CONTINUED:

Fuel Units are comprised of the following major components: Tanker Truck Receipt Manifold (one each), Transfer Hoseline (one each), Fire Suppression Equipment (six each), 50000 Gallon Tank- Optional configuration (one each), Fuel Dispensing Assembly (one each) includes 350 GPM Pump and Filter Separator, Tank Farm Assembly (three each); includes Bulk Fuel Tank Assemblies (BFTA), a collapsible fuel tank (210,000 gallon capacity), used as a storage container, support equipment, Fuel Unit (one each), and Pipeline Connection Assemblies.

Pipeline Connection Assemblies (PLCA): Utilized when pipelines are used to supply fuel to, or to receive fuel from the Fuel Unit. The PLCA protects the low-pressure components of the 150 pounds per square inch (psi) Tactical Petroleum Terminals (TPT) from the high-pressure fluid (740 psi) of the pipeline. Additionally it provides storage for the contaminated fuel interface, if two different fuels are pumped through the pipeline.

Bermliners are required with tank assemblies in order to prevent environmental damage.

ISO Containers: These containers are standard international shipping containers. ISO containers are steel constructed, stackable for easy storage, ventilated, have end opening for material access and rapid material removal. They are used to store and transport most of the Inland Petroleum Distribution System equipment.

Tricon Containers: The Tricon Container is a steel container with two doors on one face. The Container is painted with CARC. It is multi-functional, serving as a storage and shipping unit. External dimensions: Length 8'; Width 6'5 1/2"; Height 8'. Three containers can be attached together using connecting link assemblies (couplers). Three coupled Tricons equals a 20' ISO container. The containers are multi-purpose.

Distribution System on the battlefield force projection as we currently know it comes to a halt for U.S. Army, U.S. Air Force and Major Regional Conflict (MRC) deployed JUSTIFICATION: Funding in FY01 will support procurement of Bermliners, Pipeline Connection Assemblies (PLCA), containers, Tactical Petroleum Units (TPTs), and Bulk Fuel Tank Assemblies (BFTAs) in order to focus on storage capabilty initially, and pipeline conduit (developmental) in later years. Without Inland Petroleum

Exhibit P-5, Weapon	Γ	Appropriation/ Budget Activity/Serial No:	udget Activity	/Serial No:		P-1 Line Iten	P-1 Line Item Nomenclature:		٨	Weapon System Type:		Date:	
OPA Cost Analysis		OTHER PROC	JREMENT / 3 Equipment	OTHER PROCUREMENT / 3 / Other Support Equipment		INLAND	INLAND PETROLEUM DISTRIBUTION	STRIBUTION				Febr	February 2000
	₽		FY 98			FY 99			FY 00			FY 01	
Cost Elements	СО	TotalCost	Qfy	UnitCost	TotalCost	Oty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
	_	000\$	Each	\$000	\$000	Each	\$000	000\$	Each	\$000	000\$	Each	\$000
Hardware Bulk Fuel Tank Assembly Government Furnished Fourioment	∢						·				1399	36	39
	∢				946		946	7	Ļ	Ć	1109	-1	1109
Bermilners Quickberms					1031	109	5 0	4103	455 534	9 5	/69	`	ກ
TRICONS					1628		ကြေ	131	4 6	i in l	131	43	m u
	∢				AGG		n	5 70	3	n	750	<u> </u>	250
4. Floodlight Sets (6)	∢				522	9	O)						
5. Hailing Device (GFE) 6. Engineering Change Order/Proposal					R 88								
					32			88			45		
o. Engineering Support					266			329			281		
					1285			340			284	,	•
9. Quality Assurance Support - In-House					-			82			8		
10. Program Management Support					1205			212			219		
11 System Fielding Support (FD1,1PF,NE1 IICLS)											9 6		
12. 3,000 Gallon Fuel Tank Termination					403								
									•				
					-								
			-										
										-			
TOTAL					8232			6826			5618		
	4												

								Date:		
Exhibit F	Exhibit P-5a, Budget Procurement History and Planning	listory an	nd Planning					Ŗ.	February 2000	00
Appropriation / Budget Activity/Serial No:		Weapon System Type:	n Type:		-1 Line Item ≀	P-1 Line Item Nomenclature:				
OTHER PROCUREMENT / 3 / Other Support Equipment					INLA	IND PETROLE	INLAND PETROLEUM DISTRIBUTION SYSTEM (MA5120)	N SYSTEN	A (MA5120)	
WBS Cost Elements:	Contractor and Location	Contract	Location of PCO	Award Date Date of First	Jate of First	αту	Unit Cost	Specs Avail	Date Revsn	RFP Issue Date
Fiscal Years		and Type			Delivery	Each	\$000	Now?	Avail	
1. Hardware										
Bulk Fuel Tank Assembly FY 01	TBS	C/FP REQ TACOM	TACOM	Jun-01	Jun-02	36	39	YES	-	
2. Government Furnished Equipment										
1 Tactical Petroleum Units (TPT)	Sierra Army Depot, Herlong CA.	MIPR	TACOM	Sep-99	Aug-00	-	946			
FY 01	TBS	C/FP REQ TACOM	TACOM	Jan-01	Feb-02	-	1109	YES		Jun 00
Bermliners				00	00 201	Ş	ō	<u>لا</u> د		
FY 99	Detense Industrial Supply Center Philadelphia, PA.	Σ Σ	Derense Logistics Agency		66-AON	<u> </u>	Ď			
FY 00	Defense Industrial Supply Center	MIPR	Defense Logistics Agency	Feb-00	Jun-00	455	6	YES		***
FY 01	Fniladelphia, FA. Defense Industrial Supply Center Philadelphia, PA.	MIPR	Defense Logistics Agency	Jan-01	Jul-01	77	6	YES		
Quickberms FY 99	Defense Industrial Supply Center	MIPR	Defense Logistics Agency	99-unf	Aug-99	167	2	YES		
FY 00	Philadelphia, PA. Defense Industrial Supply Center	MIPR	Defense Logistics Agency	Feb-00	Jun-00	534	2	YES		
TRICONS FY 99	Joint Traffic Management	MIPR	TACOM	Sep-99	Jan-00	474	က	YES		
FY 00	Office TBS	C/FP REQ TACOM	ТАСОМ	Jun-00	Sep-00	43	8	YES		Jan 00
REMARKS:										

Exhibit	Exhibit P-5a Budget Procurement History and Planning	distory an	d Planning					Date: Fet	February 2000	
Appropriation / Budget Activity/Serial No:		Weapon System Type:	ı Type:		P-1 Line Item Nomenclature:	Jomendature:				
OTHER PROCUREMENT / 3 / Other Support Equipment					INLA	IND PETROLE	INLAND PETROLEUM DISTRIBUTION SYSTEM (MA5120)	IN SYSTEM	(MA5120)	
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date Date of First	Date of First	QTY	Unit Cost	Specs Avail F	Date R Revsn	RFP Issue Date
Fiscal Years		and Type			Delivery	Each	\$000		Avail	
TRICONS FY 01	TBS	C/FP REQ J	C/FP REQ Joint Traffic Management 3(2)	Jan-01	Apr-01	43	3	YES		
ISO Containers FY 99 FY 00	ETG, Grand Rapid, MI. TBS	REON TACOM	TACOM	Sep-99 Jun-00	Feb-00 Dec-00	193	ນ ດ	YES	<u>IL</u>	Feb 00
FY 01	TBS	3(1) C/FP REQ TACOM 3(2)	ТАСОМ	Jan-01	Jun-01	100	G.	Yes		
3. Pipeline Connection Assembly (PLCA) FY 01	TBS	C/FP REQ TACOM 5(1)	ТАСОМ	Mar-01	Aug-01	ю	250	YES		Oct 00
4. Floodlight Sets (6) FY 99	Powers MFG., Covington, TN	C/FP REQ TACOM 5(5)	ТАСОМ	Oct-99	Mar-00	ဖ	o o	YES		
						.,				
REMARKS:										

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								Date:				
		Exhibit P-40, Budget I		tem Justification Sheet	ation Sheet					February 2000		
Appropriation / Budget Activity/Serial No:	rial No:					P-1 Item Nomendature:	ıre:					
ъ	OTHER PROCUREMENT / 3 / Other Support Equipment	T / 3 / Other Support l	Equipment					ITEMS LES	ITEMS LESS THAN \$5.0M (POL) (ML5330)	.) (ML5330)		
Program Elements for Code B Items:	ms:			Code:	Other Related Program Elements:	am Elements:						
				∢								
	Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Qty												
Gross Cost	225.2	0.0	6.7	4.6	3.9	0.0	0.0	0.0	0.0	0.0	0.0	240.3
Less PY Adv Proc										,		
Plus CY Adv Proc												
Net Proc (P-1)	225.2	0.0	6.7	4.6	3.9	0.0	0.0	0.0	0.0	0.0	0.0	240.3
Initial Spares												
Total Proc Cost	225.2	0.0	6.7	4.6	3.9	0.0	0.0	0.0	0.0	0.0	0.0	240.3
Flyaway U/C												
Wpn Sys Proc U/C												
											1	

DESCRIPTION: Fuel System Supply Point (FSSP) 60,000 Gallon: This system is a bulk fuel receiving, issuing and storing facitifiy consisting of 350 gallon-per-minute (GPM) Pumps, 350 GPM Filter Separators and Collapsible Petroleum Tanks.

Pipeline System Cutting and Beveling Tool Kit: This tool kit is a portable split frame cutting and grooving machine. It can handle four, six, and eight inch pipe. The tool kit, pipe cutting is a separate component of Inland Petroleum Distribution System (IPDS). Without it the units installing IPDS would be unable to cut, groove, or bevel sections of pipe to the proper size, which would slow or possibly stop the installation of IPDS.

repositioning, and recovery system is used to move fuel from a storage point to a distribution point or directly into a vehicle/aircraft. It consists of 13,000 feet of 4 inch Hoseline Outfit 350 GPM Pumps: The Hoseline Outfit 350 GPM pumps are a component of the Hoseline Outfit Fuel Handling system. This rapid installation, fuel hose, along with couplings, valves, and other related equipment.

mission performance. The AAFARS consists of a pumping system, a filtration system, nozzles, hoses, couplings, and grounding rods in sufficient quantities to provide Advance Aviation Forward Refueling System (AAFARS): The AAFARS is a four point refueling system that provides filtered fuel at the rate of 55 GPM to each of four nozzles simultaneously. The AAFARS is a Force XXI multiplier with the capability to refuel four aircraft simultaneously, thus reducing refueling time and enhancing four refueling points at 100 foot separations beteween nozzles. The AAFARS is designed to fulfill the urgent requirement for forward "hot" refueling point operations.

bit P-5,		Appropriation/ Budget Activity/Serial No: OTHER PROCIREMENT / 3 / Other Sun	dget Activity	Appropriation/ Budget Activity/Serial No:	cd.	P-1 Line Iten	P-1 Line Item Nomenclature: ITEMS (FSS THAN \$5.0M (POL) (ML5330)	OL) (ML5330)		Weapon System Type:		Date: Febr	February 2000
OPA Cost Analysis			Equipment										
	₽		FY 98			FY 99			FY 00			FY 01	
Cost Elements	8	TotalCost	Qţ	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
	П	000\$	Each	\$000	000\$	Each	\$000	\$000	Each	\$000	000\$	Each	\$000
Hardware Fuel System Supply Point 60K Gal. (FSSP) Pipeline System Cutting and Beveling	∢ ∢				1987	72	28 68						-
Tool Kit Hoseline Outfit Pumps	٧				693	78	25						
Advanced Aviation Forward Refueling System (AAFARS) **	∢							549	m	183			
					969			2464					
 Documentation Engineering Support 								20					
In-House					52			40					
5. Program Management Support 6. System Fielding Support (FDT.TPF					354			903					
Contractor													
						• •							
**AAFARS - payback - Kosovo							-						
											<u> </u>		
TOTAL					4595	-		3866					
	4												

1								Date:	0000	
	Exhibit P-5a, Budget Procurement History and Planning	listory ar	nd Planning					_	ebruary 200	2
Appropriation / Budget Activity/Serial No:		Weapon System Type:	n Type:		P-1 Line Item Nomenclature:	Vomenclature				-
OTHER PROCUREMENT / 3 / Other Support Equipment						ITEMS LE	ITEMS LESS THAN \$5.0M (POL) (ML5330)	POL) (ML5	330)	
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date Date of First	Date of First	αпγ	Unit Cost	Specs Avail	Date F Revsn	RFP Issue Date
Fiscal Years		and Type			Delivery	Each	\$000	Now?	Avail	
1. Hardware	-				-					
Fuel System Supply Point 60K Gal. (FSSP)		(((00,100	5	ş	č) 	<u> </u>	
FY 99	Lebarge, St. Louis, MO.	C/FP REQ 1ACOM 5(4)	IACOM	Marse	On-unc	7	87		<u> </u>	
Pipeline System Cutting and Beveling FY 99	Unicor, Three River, TX	C/FP REQ TACOM	ТАСОМ	Sep-99	Mar-00	Ŧ	99	YES	A/N	
2		5(1)		•						
Hoseline Odnit Pamps FY 99	Easi, St. Louis, MO.	C/FP REQ TACOM	ТАСОМ	May-99 May-00	May-00	28	25	YES	A A	
Advanced Aviation Forward Refueling		5(4)								
FY 00	TBS	C/FP REQ TACOM	ТАСОМ	Apr-00	Apr-01	က	183	YES	ĕ Ž	
						-				

REMARKS:										

								Date:				
	EX	hibit P-40,	Budget It	em Justifi	Exhibit P-40, Budget Item Justification Sheet	et				February 2000		
Appropriation / Budget Activity/Serial No:	/Serial No:					P-1 Item Nomenclature:	ature:					
ОТНЕ	OTHER PROCUREMENT / 3 /		Other Support Equipment					WATER PU	WATER PURIFICATION SYS (R05100)	3 (R05100)		
Program Elements for Code B Items:	ltems:	-		Code:	Other Related Program Elements:	gram Elements:						
				¥								
	Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Qty												
Gross Cost	82.5	0.0	0.0	0.0	10.4	40.7	40.3	45.3	21.9	22.1	0.0	263.2
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	82.5	0.0	0.0	0.0	10.4	40.7	40.3	45.3	21.9	22.1	0.0	263.2
Initial Spares												
Total Proc Cost	82.5	0.0	0.0	0.0	10.4	40.7	40.3	45.3	21.9	22.1	0:0	263.2
Flyaway U/C												
Wpn Sys Proc U/C												

(TWPS), 3,000 GPH Tactical Water Purification System (3K TWPS), and the Lightweight Water Purifier (LWP). The water purification rates for these systems range from 125 GPH to 3,000 GPH. Future systems will use the latest available commercial off the shelf technology (COTS), in DESCRIPTION: The Family of Water Purification Systems consists of the 1500 gallons per hour (GPH) Tactical Water Purification System addition to or in lieu of reverse osmosis technology. Some of these systems will be tested for Palletized Loading System (PLS) technology integration. Systems include:

1,500 GPH Tactical Water Purification System (1500 TWPS): This system enhances purification water production capabilities at the division ROWPU on a one-for-two basis. The 1500 TWPS is a force multiplier. This system will enable a crew of three soldiers to purify the same Purification Unit (ROWPU) and is capable of double the pure water output of the 600 GPH system. The 1500 TWPS will replace the 600 and brigade unit level. It is designed to fit within the approximate weight and cube limitations of the 600 GPH Reverse Osmosis Water amount of water as six soldiers can purify now using 600 GPH ROWPU.

sources and 3,000 gallons per hour from fresh water sources. It is designed to purify dirty fresh water, brackish water, sea water, and fresh 3,000 GPH Tactical Water Purification System (3K TWPS): This system is capable of purifying up to 2000 gallons per hour from saltwater water containing nuclear, biological, or chemical agents. Supports both Corps and Division Forces as well as disaster relief operations.

Lightweight Water Purifier (LWP): A portable water purifier developed for use during rapid tactical movement, and during independent

Exhibit P-40C Budget Item Justification Sheet	em Justification		Date February 2000
Appropriation / Budget Activity/Serial No. OTHER PROCUREMENT / 3 / Other Support Equipment		P-1 Item Nomenclature	WATER PURIFICATION SYS (R05100)
Program Elements for Code B Items	Code Other Relat	Other Related Program Elements	
DESCRIPTION CONTINUED: It is capable of pur Mobility Multipurpose Wheeled Vehicle (HMMWV)	ifying 75 GPH fro mounted system	m saltwater sources and has up to 6 modules, and	It is capable of purifying 75 GPH from saltwater sources and 125 GPH from fresh water sources. This High Vehicle (HMMWV) mounted system has up to 6 modules, and can be operated by one soldier.
JUSTIFICATION: The FY-01 funding will support the Total Army Analysis 05 (TAA05)/Army National Guard Division Redesign Study (ADRS) fieldings. These fieldings will involve the activation/conversion of 129 Petroleum and Water Quartermaster (QM) Units. The QM water units being fielded are Water Supply Companies, Water Purification Detachments, Water Purification Teams, Tactical Water Distribution Teams, an Arid Environment Water Teams. These water purification systems support the Army's mission of providing life and mission sustaining water to the front line and remote units in tactical environments. Without these systems, the force projected ground forces can not be sustained beyond initial deployment.	the Total Army Ar Voonversion of 12 Purification Deta ification systems : ents. Without the	nalysis 05 (TAA05)/Army Neber Controleum and Water Controleum and Water Controleum Controleum Subbort the Army's missions support the Army's missions support the Army's missions se systems, the force project of the controleum service of the controleum	JUSTIFICATION: The FY-01 funding will support the Total Army Analysis 05 (TAA05)/Army National Guard Division Redesign Study (ADRS) fieldings. These fieldings will involve the activation/conversion of 129 Petroleum and Water Quartermaster (QM) Units. The QM water units being fielded are Water Supply Companies, Water Purification Detachments, Water Purification Teams, Tactical Water Distribution Teams, and Arid Environment Water Teams. These water purification systems support the Army's mission of providing life and mission sustaining water to the front line and remote units in tactical environments. Without these systems, the force projected ground forces can not be sustained beyond initial deployment.
· .			

Cost Analysis Other Programmers Other Pr	1.0		Appropriation/	Budget Ac	Appropriation/ Budget Activity/Serial No:		P-1 Line It	P-1 Line Item Nomenclature:	Ure:		Weapon System Type:		Date:	r: Eshning, 2000
F	OPA Cost Analysis		OTHER PRO	OUREME!	NT / 3 / Other nent		WAIEK	UKIFICATION	STS (R05100)				n cop L	aly 2000
Color Colo		Ω		FY 98			FY 99			FY 00			FY 01	
SOOO Each SOOO SOOO Each SOOO SOOO Each SOOO SOOO Each SOOO	Cost Elements	8	·	Qty	UnitCost	TotalCost	Qţ	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qfy	UnitCost
84 A A A A A A A A A A A A A A A A A A A		Ц	000\$	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
Engineering Change Order/Proposal Testing – First Article Test (TECOM) Testing – First Article Test (TECOM) Testing – First Article Test (TECOM) Testing – First Article Test (TECOM) The House Contractor Contractor Contractor Testing Support Testing Support (Training System Fleding Support (Training Tr. Pr. NET, ICLS) Tr. TPF, NET, ICLS) TAAL	Hardware Solution (1. Hardware) Solution (2. Hardical Mater Purification Sy) Solution (2. Hardical Water Purification Sy) Lightweight Water Purifier (LWP)								8132	19	428		11 53 40	763 428 86
Trefin in Support Contractor Contractor Couling Assurance Support In-House Frogram Management Support System Fielding Support (Training DT, TPF, NET, ICLS) TAA. 16-Engine Support A00 228 400 228 A10 A10 A10 A10 A10 A10 A10 A1									334 236 250			560 330 980		
In-House Program Management Support System Fielding Support (Training of, TPF, NET, ICLS) In-House A00 System Fielding Support (Training of, TPF, NET, ICLS) In-House A00 A00 A00 A00 A00 A00 A00 A00 A00 A0									455			950 700	***	
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Exhibit P-5a	-5a, Budget Procurement History and Planning	nt Histor	y and Planning					Ľ.	February 2000	000
Appropriation / Budget Activity/Serial No:		Weapon System Type:	em Type:		P-1 Line Item Nomenclature:	Jomenclatur	ä			
OTHER PROCUREMENT / 3 / Other Support Equipment						WATER P	WATER PURIFICATION SYS (R05100)	3YS (R051		
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	αту	Unit Cost	Specs Avail F	Date Revsn	RFP Issue Date
Fiscal Years		and Type			Delivery	Each	\$000		Avail	
1. Hardware										
1500 GPH Tactical Water Purification System										
FY 01	TBS	C/FP .	ТАСОМ	Mar-01	Mar-02	4	763	YES		Oct 00
3000 GPH Tactical Water Purification Sys.		Ked o(I)								•
FY 00	TBS	C/FP	TACOM	Jun-00	Jun-01	9	428	YES		99 voN
FY 01	TBS	C/FP	TACOM	Feb-01	Nov-01	53	428			
l inhtweight Water Prinffer (I MP)		(z)chau								
FY01	TBS	C/FP Req 5(1)	ТАСОМ	Apr-01	Dec-01	40	98	YES		Jan 01
REMARKS:										

FY 00 / 01 BUDGET PRODUCTION SCHEDULE	DUCT	S NOI	CHEL	ULE			Ĺ		Ū	WATER PURIFICATION SYS (R05100)	. E	품	ζĄΤίζ	S NO	YS (F	30510	Ó.								-	February 2000	ary 2	000		
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FY 00 / 01 BUDGET PROD	COC	ODUCTION SCHEDULE	R	DULE				WATER	>	WATER PURIFICATION SYS (R05100)	R PU	RIFIC	ATIC	S)	'S (R	0510	6								F.	February 2000	y 200	9		П
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3000 GPH Tactical Water Purification	_							-	Щ	Н		Ц					П		Н	Н	Н	Н	Н		\dashv	\neg	-	\dashv	\dashv	
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	Ē	hibit P-40,	Budget It	em Justifi	Exhibit P-40, Budget Item Justification Sheet	et				February 2000		
Appropriation / Budget Activity/Serial No:	//Serial No:					P-1 Item Nomenclature:	ature:					
OTHE	OTHER PROCUREMENT / 3 /	73/Other Support Equipment	t Equipment					ITEMS LESS TH	ITEMS LESS THAN \$5.0M (WATER EQ) (ML5335)	R EQ) (ML5335)		
Program Elements for Code B Items:	3 Items:			Code:	Other Related Program Elements:	gram Elements:						
				∢								
	Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete Total Prog	Total Prog
Proc Qty												
Gross Cost	65.1	0.0	2.5	1.9	1.7	0.0	0.0	0.0	0.0	0.0	0.0	71.3
Less PY Adv Proc												:
Plus CY Adv Proc												
Net Proc (P-1)	65.1	0.0	2.5	1.9	1.7	0.0	0.0	0.0	0.0	0.0	0.0	71.3
Initial Spares												
Total Proc Cost	65.1	0.0	2.5	1.9	1.7	0.0	0.0	0.0	0.0	0.0	0.0	71.3
Flyaway U/C												
Wpn Sys Proc U/C												
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DESCRIPTION: Forward Area Water Point Supply System (FAWPSS): This system is lightweight and used to support forward units that cannot access a major water distribution system. It supports up to 163 people per day in an arid environment.

theater distribution storage and distribution systems located up to 100 miles away from a potable water source. The water is pumped through hoses to the distribution unit. This frees up other transportation assets to deliver materiel which cannot be distributed by pipeline. This is the Tactical Water Distribution Equipment System (TWDS): This system consists of five to six Pumping Stations, a ten mile Hoseline Segment, two Storage Assemblies, and two Distribution Points. TWDS can deliver large quantities of potable water, up to 720,000 gallons per day, to most efficient and economical way to transport water. A Petroleum Engineer Company can deploy about 20 miles of hose per day and be operational within 48 hours. The Water Storage and Distribution Systems are packaged into three sizes, 800,000, 300,000, and 40,000. Each is designed and packaged for easy delivery and set-up in every area of operation. These systems are crucial to providing safe potable water that meets all Tri-Service water standards to military personnel, both U.S. and Foreign, civilians, and refugees. Pump Assembly Tactical Water Distribution 600 GPM: This trailer mounted pump consists of a four stroke, six cylinder, air cooled diesel engine and a direct coupled self priming centrifugal pump. A forty two gallon fuel tank is an integral part of the trailer. This system is the main pump of the Tactical Water Distribution System (TWDS) pumping stations.

	_	Appropriation/	Budget Ac	Appropriation/ Budget Activity/Serial No:		P-1 Line Its	P-1 Line Item Nomenclature:	ure: ON AVATED		Weapon System Type:		Date:	i Fobrance 2000
OPA Cost Analysis		SEP	PROCUREMENT / Support Equipment	Of HER PROCUREMENT / 3 / Orner Support Equipment		EMO	ESS 17AN 45.0 EQ) (ML5335)	.Um (WAIER 5)					2000 AID
	₽		FY 98			FY 99			FY 00			FY 01	
Cost Elements	0	TotalCost	Qŧy	UnitCost	TotalCost	_	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
	Ħ	\$000	Each	\$000	\$000	Each	\$000	000\$	Each	\$000	\$000	Each	\$000
1. Hardware Forward Area Water Point Supply Sys Tactical Water Distribution System (TV Pump Assembly Tactical Water 2. Engineering Change Order/Proposal 3. Documentation 4. Testing 5. Engineering Support - In-House -Contractor 6. Program Management Support 7. System Gielding Support (FDT, TPF, ICLS)	्र <\\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \				1083 590 89 89		155						
TOTAL					1898			1729					

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Exhibit P	-5a, Budget Procurement History and Planning	HIStory	and Planning					Ter	February 2000	3
Appropriation / Budget Activity/Serial No:		Weapon System Type:	tem Type:		-1 Line Iten	P-1 Line Item Nomenclature:	ture:			
OTHER PROCUREMENT / 3 / Other Support Equipment					ITE	AS LESS TH	ITEMS LESS THAN \$5.0M (WATER EQ) (ML5335)	TER EQ)	(ML5335)	
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	αпу	1			RFP Issue Date
Fiscal Years		and Type			Delivery	Each	\$000	Now?	Avail	
1. Hardware										
Forward Area Water Point Supply System FY00	Sierra Army Depot, Herlong,	MIPR	ТАСОМ	Feb-00	Apr-00	10		YES		
Tactical Water Distribution System (TWDS) - Assembly FY99	Sierra Army Depot, Herlong,	MIPR	ТАСОМ	May-99	Sep-99	7	155	155 YES		
Pump Assembly, Tactical Water Distributor FY99	Sierra Army Depot, Herlong	MIPR	TACOM	Sep-99	Mar-00	62	10	10 YES		•
REMARKS:										

Exhibit P-40,	Budget Item Justification Sheet

								Date:				
		Exhibit P-4	0, Budget It	Exhibit P-40, Budget Item Justification Sheet	ation Sheet					February 2000		
Appropriation / Budget Activity/Serial No:	al No:					P-1 Item Nomenclature:	re:					
10	OTHER PROCUREMENT / 3 / Other Support Equipment	73/Other Support E	Equipment					COMBAT &	COMBAT SUPPORT MEDICAL (MN1000)	. (MN 1000)		
Program Elements for Code B Items:	ns:			Code:	Other Related Program Elements:	am Elements:						
	Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Oty												
Gross Cost	395.3	15.8	11.1	25.5	34.9	31.6	21.2	23.0	22.1	22.1	0.0	602.6
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	395.3	15.8	11.1	25.5	34.9	31.6	21.2	23.0	22.1	22.1	0.0	602.6
Initial Spares												
Total Proc Cost	395.3	15.8	11.1	25.5	34.9	31.6	21.2	23.0	22.1	22.1	0:0	602.6
Flyaway U/C		,										
Wpn Sys Proc U/C												

(TOE) force structure with Deployable Medical Systems (DEPMEDS). Program resources fund medical assemblage components, the acquisition of major clinical capital program supports the medical force structure throughout the continuum of Contingency Operations, Stability and Support Oprations, Peace Keeping Operations and DESCRIPTION: The Combat Support Medical (MN1000) line modernizes and sustains the Army Medical Department (AMEDD) Table of Organizational Equipment equipment required to provide combat casualty care, and the physical hospital platforms necessary to provide the mobile modular design of field medicine. The Humanitarian Assistance Programs.

Force requirements for Force Packages 1 and 2 equate to 25 total hospitals that include both direct patient care medical equipment and non-medical associated items of equipment. Resources partially support fifteen staffed hospitals, prepositioned assets within the Army War Reserve and AFLOAT program (nine hospital sets), and the protection and maintains a standard of care for combat casualty care comparable to civilian medical practices. In addition, resources will ensure system efficacy and deployability through the modernization of the physical platforms (tents, shelters, environmental control, etc.). Proposed acquisition plans partially satisfy equipment JUSTIFICATION: FY 01 continues to fund the modernization of the Army Core Force (Force Package 1 and 2) Combat Service Support Mission Area requirements. Army Medical Department Center and School hospital training set. Acquisition of technological and clinically advanced medical equipment ensures medical force deficiencies (anesthesia, ventilation, water distribution and waste water collection, and chemical protection).

oit P-5,	_	Appropriation/ Budget Activity/Serial No:	iget Activity/	Serial No:		5-1 Line Iter COMBAT	P-1 Line Item Nomenclature: COMBAT SUPPORT MEDICAL (MN1000)	CAL (MN1000)		Weapon System Type:		Date: Febr	February 2000
OPA Cost Analysis			Equipment										
	₽		FY 98			FY 99			FY 00			FY 01	
Cost Elements	00	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost		UnitCost
		\$000	Each	\$000	\$000	Each	\$000	000\$		\$000	\$000	Each	\$000
DEPLOYABLE MEDICAL SYSTEMS (DEPMEDS) FIELD MEDICAL EQUIPMENT					9513			26680			5286 26281		
TOTAL					25465			34940			31567		

								Date:				
		Exhibit P-40, Budget	0, Budget It	Item Justification Sheet	ation Sheet					February 2000		
Appropriation / Budget Activity/Serial No:	al No:					P-1 Item Nomenclature:	ıre:					
Б	OTHER PROCUREMENT / 3 / Other Support Equipment	/3/Other Support E	Equipment					DEPLOYABLE MEC	DEPLOYABLE MEDICAL SYSTEMS (DEPMEDS) (MX0003)	PMEDS) (MX0003)		
Program Elements for Code B Items:	:St			Code:	Other Related Program Elements:	am Elements:						
	Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Qty											,	
Gross Cost	239.8	7.1	6.0	16.0	8.2	5.3	5.1	5.7	5.0	5.0	0.0	303.2
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	239.8	7.1	6.0	16.0	8.2	5.3	5.1	5.7	5.0	5.0	0.0	303.2
Initial Spares												
Total Proc Cost	239.8	7.1	6.0	16.0	8.2	5.3	5.1	5.7	5.0	5.0	0.0	303.2
Flyaway U/C												
Wpn Sys Proc U/C												

requiring a functional, mobile and sustainable modular design of Army combat casualty care. This physical design establishes a system capability to support maintainability, modernization and sustainability. Resources support the configuration of Army equipment (tents, environmental control, water distribution systems, etc.) DESCRIPTION: Deployable Medical Systems Platform provides the funding for the non-medical components necessary to support the AMEDD field hospital attributes in support of clinically functional modules for the hospital platforms.

chemical protection (hardened air conditioners and heaters) for DEPMEDS hospitals. The tent systems have exceeded life expectancy and must be replaced to ensure system deployability. Funds complete FP 1 and partial FP 2 modernization requirements for the tentage system that supports the mobile, modular physical hospital JUSTIFICATION: FY01 funds the continued acquisition of deficiencies for water distribution and waste water collection and continues the acquisition and fielding of platform. FY 01 continues the modernization of the Water Distribution and Waste Water Collection System for FP 2.

bit P-5,		Appropriation/ Budget Activity/Serial No:	udget Activity	Appropriation/ Budget Activity/Serial No:		P-1 Line Item	P-1 Line Item Nomenclature:	CVCTEMC	>	Weapon System Type:	уре:	Date: Febr	February 2000
OPA Cost Analysis		ONL VIIIO	Equipment	noddae aeno d			(DEPMEDS) (MX0003)	0003)					
	Ω		FY 98			FY 99			FY 00			FY 01	
Cost Elements	C	TotalCost	âţ	UnitCost	TotalCost	Qfy	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
M339 Air Conditioner 54000 BTU Field Deployable Environmental Control Unit					8267	684	12	1909	150	13	1747	138	13
Tent, Expandable Modular Personnel (TEMPER) 64' x 20' Medical					2775	96	29	1872	. 62	30	986	33	30
Tent, Expandable Modular Personnel (TEMPER) 64' x 20' Surgical					1068	31	34	837	23	36			-
M196 Heater 120000 BTU Army Space Heater, Multi Fuel-Chemical Hardened					1997	128	16	1986	127	16	1349	87	16
Tent, Expandable Modular Personnel (TEMPER) 16' x 20'					445	40	17	216	19	17			
Tent, Expandable Modular Personnel (TEMPER) 16' x 20' Central Materiel					178	16	#	300	26	12	56	4	41
Water Distribution and Waste Water Collection System					1222	Ω.	244	836	က	279	848	8	283
Systems Fielding								304			300		
TOTAL				·	15952			8260			5286		
	l												

							<u>. </u>	Date:		
Exhibit P	Exhibit P-5a, Budget Procurement History and Planning	listory an	ոd Planning					Fe	February 2000	0
Appropriation / Budget Activity/Serial No:		Weapon System Type:	n Type:	-	-1 Line Item I	P-1 Line Item Nomenclature:				
OTHER PROCUREMENT / 3 / Other Support Equipment					DEPI	OYABLE MED	DEPLOYABLE MEDICAL SYSTEMS (DEPMEDS) (MX0003)	DEPMEDS	(MX0003	
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date Date of First	ate of First	QTY	Unit Cost	Specs Avail	Date F Revsn	RFP Issue Date
Fiscal Years		and Type			Delivery	Each	\$000	Now?	Avail	
M339 Air Conditioner 54000 BTU Field Deployable Environmental Control Unit FY 99 FY 00	Keco Industries, Inc.	OPT/FFP	OPT/FFP Kelly AFB, TX	Apr-99 Dec-99 Dec-00	Aug-99 Apr-00 Apr-01	684 150 138	12 13	>		
Tent, Expandable Modular Personnel (TEMPER) 64' x 20' Medical FY 99 FY 00	CG Manufacturing, AZ	44 4	DSCP, Philadelphia, PA	Feb-99 Dec-99 Dec-00	Dec-99 Dec-00 Dec-01	33 62	30 30	>		
Tent, Expandable Modular Personnel (TEMPER) 64' x 20' Surgical FY 99 FY 00	CG Manufacturing, AZ	FF	DSCP, Philadelphia, PA	Feb-99 Dec-99	Dec-99	31	38	>		
M196 Heater 120000 BTU Army Space Heater, Multi Fuel-Chemical Hardened FY 99 FY 00 FY 01	Engineered Air Systems, St Louis, MO	G.	Soldier Sys Spt, Nadick, MA	Sep-99 Dec-99 Dec-00	Mar-00 Jun-00 Jun-01	128 127 87	91 91	>		
Tent, Expandable Modular Personnel (TEMPER) 16' x 20' FY 99 FY 00	CG Manufacturing, AZ	G.	DSCP, Philadelphia, PA	Feb-99 Dec-99	Dec-99 Dec-00	40	7.7	>		

TEMPERS: Since components (I.e., structure, cloth, doors, zippered windows, etc.) are purchased from various suppliers and assembled at the depot site, the main supplier is listed.

REMARKS:

	Exhibit P-5a, Budget Procurement History and Planning	istory ar	nd Planning		1 1 1	1		Ψ	February 2000	
Appropriation / Budget Activity/Serial No:		Weapon System Type:	m Type:	-	P-1 Line Item Nomenclature: DEPLOYABLE MEI	tomenclature: .OYABLE MED	tem Nomenclature: DEPLOYABLE MEDICAL SYSTEMS (DEPMEDS) (MX0003)	DEPMEDS	(MX0003)	
WBS Cost Elements:	Contractor and Location	Contract	Location of PCO	Award Date Date of First	Date of First	ρ	Unit Cost	Specs Avail	Date R Revsn	RFP Issue Date
Fiscal Years		and Type			Delivery	Each	\$000	_	Avail	
Tent, Expandable Modular Personnel (TEMPER) 16' x 20' Central Materiel FY 99 FY 00 FY 01	CG Manufacturing, AZ	д .	DSCP, Philadelphia, PA	Feb-99 Dec-99 Dec-00	Dec-99 Dec-00 Dec-01	16 26 4	11 12	>		
Water Distribution and Waste Water Collection System FY 99 FY 00	Rock Island Army Depot, IL	FF P	Sierra Army Depot, CA	Feb-99 Dec-99 Dec-00	Mar-00 Oct-00 Oct-01	ന ന ന	244 279 283	>		
					1, 10 a a a a a a a a a a a a a a a a a a					
REMARKS: Water Distribution and Waste Water Collection System. Components for this system are numerous, however, a major supplier is Rock Island Army Depot for the metal components. Sierra Army Depot assembles the systems.	lection System. Components for this sy	/stem are nu	umerous, however, a major su	pplier is Rod	k Island Ar	my Depot fo	or the metal co	ueuoduk	S. Sierra	

							D-4	D-4 Item Nomenclature	jejoue											2						ı		ſ
FY 00 / 01 BUDGET PRODUCTION SCHEDULE	DUCTION	SCH	IEDUL	тi			<u>:</u>	۵	EPLOY	ABLE N	4EDIC.	DEPLOYABLE MEDICAL SYSTEMS (DEPMEDS) (MX0003)	TEMS (DEPM	EDS) (MX000	~			ğ	ıi.		-	-ebrua	February 2000			
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M339 Air Conditioner 54000 BTU Fld																		_		L			<u> </u>		H	L	_	
Deployable Environmental Control												_	L			\vdash	\vdash	L		L			Г	H		L		Π
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FY 00 / 01 BUDGET PRODUCTION SCHEDULE	UCT	ON SC	HEDU	I'E				P-1 Item Nomenciature: DEPLOYABLE		nnendadure. DEPLOYABLE MEDICAL SYSTEMS (DEPMEDS) (MX0003)	JE.	/EDIC	AL SY:	STEMS	(DEF	MEDS	(WX	0003				, a	.			표	oruary	February 2000			
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		Exhibit P-4	Exhibit P-40, Budget It	tem Justification Sheet	ation Sheet					February 2000		
Appropriation / Budget Activity/Serial No:	ial No:					P-1 Item Nomenclature:	re:					
5	OTHER PROCUREMENT / 3 / Other Support Equipment	/3/Other Support F	Equipment					FIELD ME	FIELD MEDICAL EQUIPMENT (MB1100)	(MB1100)		
Program Elements for Code B Items:	ns:			Code:	Other Related Program Elements:	am Elements:						
	Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Qty												
Gross Cost	155.5	8.7	5.1	9.5	26.7	26.3	16.1	17.3	17.1	17.1	0.0	299.4
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	155.5	8.7	5.1	9.5	26.7	26.3	16.1	17.3	17.1	17.1	0.0	299.4
Initial Spares												
Total Proc Cost	155.5	8.7	5.1	9.5	26.7	26.3	16.1	17.3	17.1	17.1	0.0	299.4
Flyaway U/C												
Wpn Sys Proc U/C												

diagnostic, treatment and preventive medicine mission requirements for combat casualty care within DEPMEDS combat hospital units and non-hospital units (Battalion Aid Stations, Area Medical Laboratories). The equipment supports the operational readiness of the Army Medical Department's field units in DESCRIPTION: Field Medical Equipment (MB1100) provides funding for the modernization and sustainment of the medical equipment component for clinical support of wartime and peacetime medical missions.

requirements for 73% of ventilators required in FP1 and FP2 hospitals and 100% of FP1 and 2 defibrillators. FY 01 continues the digitized radiology for FP1 and 2. FY JUSTIFICATION: FY01 funds complete the acquisition of direct patient care deficiencies for anesthesia in FP1 and FP2 hospitals. Funds will cumulatively modernize 01 initiates the conversion of hospitals to the Medical Reengineering Initiative (MRI) configuration which includes defibrillators, centrifugal analyzers, clinical chemistry analyzers and coagulation timers for the corps slice. FY 01 also continues the modernization and sustainment of operational project hospital sets which includes anesthesia apparatus, defibrillators, sterilizers and operating tables.

Exhibit P-5. Weapon	٦	Appropriation/ Budget Activity/Serial No:	dget Activity	/Serial No:		P-1 Line Ite	P-1 Line Item Nomenclature:		_	Weapon System Type:		Date:	
OPA Cost Analysis		OTHER PROCU	REMENT / 3	OTHER PROCUREMENT / 3 / Other Support		FIELD M	FIELD MEDICAL EQUIPMENT (MB1100)	:NT (MB1100)				Febr	February 2000
	₽		EY 98			FY 99			FY 00			FY 01	
Cost Elements	0	TotalCost	ρţ	UnitCost	TotalCost	λίσ	UnitCost	TotalCost	g Ş	UnitCost	TotalCost	Q Çţ	UnitCost
	Ħ	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
ECG Monitor, Vital Signs w/pulse oximeter					594	72	Φ				1005	100	10
Anesthesia Apparatus					548	19	29	1434	48	30	1606	54	30
Ventilators (Volume)					2039	239	o	886	95	O	1555	164	O
Defibrillators								797	81	10	1729	173	10
Digitized Radiology					6112	വ	1222	12113	10	1211	14269	10	1427
Central Compressors								586	13	45	549	12	46
ECG Monitor, Vital Signs w/ Capnography	**				220	18	12	203	17	12	1102	91	12
Dental Hand-held X-Ray								15	-	15	510	34	15
Operating Room Tables								242	8	13	1396	102	14
X-Ray (Portable)								362	7	52	263	5	53
Dental Chair Unit								-	S.	2	107	46	2
Sterilizers											1527	59	53
Electrosurgical Apparatus	•							73	12	9	296	48	9
Coagulation Timer	-,-							17	4	4	73	17	4
Analyzer Centrifugal								43	ဖ	~	124	17	7
Analyzer Clinical Chemist								29	9	10	170	18	o
Life Support for Trauma & Transport (LSAT) 1/								3000					
Advanced Surgical Suite for Trauma (ASSTC) 1/								6839					
TOTAL					9513			26680			26281		
1/ Funds were appropriated in the wrong appropriation. Work is ongoing to move these dollars (to include Congressional plus up tax) to RDTE to complete Engr Manufacturing Dev which belongs to RDTE.													

	!							Date:		
Exhibit F	Exhibit P-5a, Budget Procurement History and Planning	listory aı	nd Planning					Fe	February 2000	0
Appropriation / Budget Activity/Serial No:		Weapon System Type:	т Туре:		-1 Line Item N	P-1 Line Item Nomenclature:				
OTHER PROCUREMENT / 3 / Other Support Equipment						FIELD ME	FIELD MEDICAL EQUIPMENT (MB1100)	VT (MB110		
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date Date of First	Date of First	αту	Unit Cost	Specs	Date F Revsn	RFP Issue Date
Fiscal Years		and Type			Delivery	Each	\$000	Now?	Avail	
ECG Monitor, Vital Signs w/pulse oximeter FY 01	Protocol Systems, Inc.	FFP	DSCP, Philadelphia, PA	Dec-00	Feb-01	100	10	>		
Anesthesia Apparatus FY 00 FY 01	Dragger Согр	9 9 9 9 9	DSCP, Philadelphia, PA	Dec-99 Dec-00	Mar-00 Mar-01	48 54	30	>		
Ventilators (Volume) FY 00 FY 01	TBS TBS	FFP	DSCP, Philadelphia, PA	Feb-00 Dec-00	Apr-00 Mar-01	95	တတ	>		
Defibrillators FY 00 FY 01	Physio Control Co	FFP	DSCP, Philadelphia, PA	Dec-99	Mar-00 Mar-01	81	10	>		
Digitized Radiology FY 99 FY 00 FY 01	General Electric Medical Sys, Milwaukee, WI	FFP FFP FFP	DSCP, Philadelphia, PA	Oct-99 Dec-99 Dec-00	Oct-99 Apr-00 Apr-01	s 00 00	1222 1211 1427	>		
Central Compressors FY 00 FY 01	Mortley Air Power	FFP	DSCP, Philadelphia, PA	Dec-99	Mar-00 Mar-01	13	45	>		
ECG Monitor, Vital Signs w/ Capnography FY 00 FY 01	Protocol Systems, Inc.	FFP	DSCP, Philadelphia, PA	Dec-99 Dec-00	Feb-00 Feb-01	17	12	>		
REMARKS: Digitized radiology has several components and are purchased from various suppliers, then are assembled at the depot site. Main supplier is listed	nts and are purchased from various sup	ppliers, then	are assembled at the depot sit	e. Main su	oplier is list	эф.				

Digitized radiology has several components and are purchased from various suppliers, then are assembled at the depot site. Main supplier is listed.

1								Date:		
	Exhibit P-5a, Budget Procurement History and Planning	History a	nd Planning					u.	February 2000	00
Appropriation / Budget Activity/Serial No:		Weapon System Type:	ım Type:		P-1 Line Item Nomenclature:	Nomenclature				
OTHER PROCUREMENT / 3 / Other Support Equipment						FIELD M	FIELD MEDICAL EQUIPMENT (MB1100)	VT (MB11((Q	
WBS Cost Elements:	Contractor and Location	Contract	Location of PCO	Award Date	Date of First	αTY	Unit Cost	Specs	Date	RFP Issue
Fiscal Years		and Type			Delivery	Each	\$000	Now?	Avail	
									ļ	
Dental Hand-held X-Ray	!									
FY 00	TBS	4 1 1	DSCP, Philadelphia, PA	Feb-00	Apr-00	_	15	>		
FY 01	I BS	ì		00-00 00-00	Mar-01	& &	15			
Operating Room Tables						•				
FY 00	Steris Corp	H.	DSCP. Philadelphia. PA	Dec-99	Mar-00	18	13	-		
FY 01	-	FFP	• •	Dec-00	Mar-01	102	14			
A-Ray (Potable)	o o o	Ę	מין יון יון יון יון מין מין מין מין מין מין מין מין מין מי	40	V	1	Ċ	;		
9 5	001	<u> </u>	USCP, Philadelphia, PA	00-00-00-00-00-00-00-00-00-00-00-00-00-	Apr-00	<u> </u>	22	<u> </u>		
	20	F.		nec-no	Mar-Ui	c.	r G			
Dental Chair Unit										
EY 00	TBS	<u> </u>	DSCP Philadelphia PA	Feb-00	Anr-00	ď	c	>		·
F701	TBS	. H	V i magaphin i i i i i i i i i i i i i i i i i i	Dec-00	Mar-01	46	7 7	-		
Sterilizers										
FY 01	TBS	FF	DSCP, Philadelphia, PA	Dec-00	Mar-01	59	23	>		
Electrosurgical Apparatus										
FY 00	Diverstech Co	FFP	DSCP. Philadelphia. PA	Dec-99	Mar-00	12	G	>		
FY 01		FFP	· -	Dec-00	Mar-01	48	9			
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REMARKS:										

Exhibit	Exhibit P-5a. Budget Procurement History and Planning	distory ar	nd Planning					Date:	February 2000	
Ammunistion / Budget Activity/Serial No.		Weapon System Type:	m Type:		P-1 Line Item Nomenclature	omenclature.				
Appropriate in Tought Administration in the Support Equipment						FIELD MEI	FIELD MEDICAL EQUIPMENT (MB1100)	NT (MB110	6	
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date Date of First	Date of First	αTY	Unit Cost	Specs Avail	Date F Revsn	RFP Issue Date
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FY 01	TBS	FFP		Dec-00	Mar-01	17	4			
Analyzer Centrifugal FY 00 FY 01	TBS TBS	9 9 9 9	DSCP, Philadelphia, PA	Feb-00 Dec-00	Apr-00 Mar-01	6	7	>	,	
Analyzer Clinical Chemist FY 00 FY 01	TBS TBS	9 9 9 9 9	DSCP, Philadelphia, PA	Feb-00 Dec-00	Apr-00 Mar-01	9 81	01	>		
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TION: The Shop Equipment, Contact Maintenance Vehicle (CMV), Truck Mounted, High Mobility Multi-Purpose Wheeled Vehicle (HMMWV) Heavy Variant (HHV) (1097) is for general use and will provide improved cross-country mobile maintenance support to maneuver elements. The current CMVs, the gasoline-engine M887 Dodge Truck and Commercial Utility Cargo Vehicle (CUCV) CMV, are unable to traverse the terrain or maintain sufficient cross-country speed to keep up with equipment. The CMV will operate throughout the battlefield to include the Division Support Area (DSA), the Brigade Support Area (BSA), and the Unit Maintenance support equipment while carrying tool and repair parts. The CMV will deploy to the site of disabled equipment to make repairs of all weapons systems and military Collection Point (UMCP). The CMV will operate as far forward as behind the first terrain feature to the rear of the Forward Line of Own Troops (FLOT). Contact Maintenance teams using the CMV will perform repairs to equipment on-site in hours of daylight and darkness.

Heavy (CMTH) variant for the EOD components. At present, there is insufficient quantity to enable FP1 units to effectively complete ordance disposal missions. Current JUSTIFICATION: The FY01 CMV funds will permit the Army to continue to support the highest priority Force Package 1 units in their tactical maintenance mission. This version also adds to the overall ability of the system to transverse over all types of terrain. The Shop Equipment, Contact Maintenance is employed at the intermediate This will assist in purifying the vehicular fleet and reduce shortage requirements of spare/repair parts and fuel. These funds also support a Contact Maintenance Truck levels of maintenance to provide the capability of performing on-site repairs to disabled equipment. The CMV will replace uneconomically repairable, overaged shops field strength required is approximately 300. There are none of these versions in the field. Current AAO for ORD/ENG is approximately 2,760. AAO for EOD is 301 supportable. This is in line with the "Purefleeting" concept for Light Maintenance Vehicle. Future procurement of the CMV will be mounted on the HHMWV chassis. (1500) mounted on the M880 series truck chassis for which spare and repair parts are no longer available. In addition, the 1986 CUCV version CMV is no longer (delivery should be complete by 2004).

Cost Elements Cost Element	Exhibit P-5, Weapon		Appropriation/ Budget Activity/Serial No:	dget Activity	/Serial No:		P-1 Line Iten	P-1 Line Item Nomenclature:			Weapon System Type:		Date:	
Proposal (ECP) Prop	Cost		OTHER PROCL	JREMENT / 3 Equipment	/ Other Support		SHOP EQ	CONTACT MAINT MTD (MYP (M615	ENANCE TRK 500)				Febr	uary 2000
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SOOO Earth SOOO SOOO Earth SOOO SOOO Earth SOOO Earth SOOO SOOO Earth SOOO Earth SOOO Earth SOOO Earth SOOO Earth SOOO Earth SOOO Earth SOOO Earth SOOO Earth Eart	Cost Elements	8	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
In-House			\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	000\$	Each	\$000
1-40 cos 1-40 cos	1. Hardware CMTH	⋖				5580	06	62	5481	87	63			64
Proposal (ECP) Proposal (ECP)	2. Engineering Support (In-House)					75		·	72			72		
Proposal (ECP) 1850 29 1850 57 1850 57 1850 58 1950	3. Quality Support (RIA)					54			20			20		
1850 50 37 1770 45 38 2340 60 In-House) Proposal (ECP) 29 27 7772 45 38 2340 60 In-House) 29 39 40 40 40 40 In-House) 27 7772 9 9650	4. Engineering Change Proposal (ECP)					9			S.			သ		
In-House) 57	5. Fielding					29			185			260		
In-House) 7						-								
In-House) 39 36 37 40 Proposal (ECP) 27 27 27 27 27 27 28 38 40 40 41 41 41 41 41 41 41 41 41 41 41 41 41	1. Hardware EOD					1850	20	37	1710	45	38			39
Proposal (ECP) 39 36 40 40 40 40 40 40 40 40 40 40 40 40 40	2. Engineering Support (In-House)					25			52			53		
Ing Ications T7722 Second ECP) 36 180 170 170 170 170 170 170 170	3. Quality Support (RIA)					39			35			40		
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Exhibit	Exhibit P-5a, Budget Procurement History and Planning	listory ar	nd Planning	·				u.	February 2000	00
Appropriation / Budget Activity/Serial No:		Weapon System Type:	m Type:		P-1 Line Item Nomenclature:	Nomenclature:				
OTHER PROCUREMENT / 3 / Other Support Equipment					SHOP	EQ CONTACT	SHOP EQ CONTACT MAINTENANCE TRK MTD (MYP (M61500)	'RK MTD (MYP (M61!	500)
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date Date of First	Date of First	QTY	Unit Cost	Specs	Date Revsn	RFP Issue Date
Fiscal Years		and Type			Delivery	Each	\$000	Now?	Avail	
1. Hardware CMTH FY99	Rock Island Arsenal Rock Island, II	SS/FFP	TACOM - Rock Island	Mar-99	Nov-99	06	62	Yes		
FY00	Rock Island Arsenal Rock Island, II	Option	TACOM - Rock Island	Feb-00	Sep-00	87	63	Yes		
FY01	Rock Island Arsenal Rock Island, II	Option	TACOM - Rock Island	Nov-00	Feb-01	104	64	Yes		
2. Hardware EOD FY99	Rock Island Arsenal Rock Island, II	SS/FFP	SS/FFP TACOM - Rock Island	96-Inf	Nov-99	20	37	Yes		
FY00	Rock Island Arsenal Rock Island, II	Option	TACOM - Rock Island	Feb-00	Sep-00	45	38	Yes		
FY01	Rock Island Arsenal Rock Island, II	Option	TACOM - Rock Island	Nov-00	Jul-01	09	39	Yes		
REMARKS: FYOU-FYO1 procurements are Indefinate Delivery Indefinate	Delivery Indefinate Quantity (IDIO) work orders	k orders.							1	

FY00-FY01 procurements are Indefinate Delivery Indefinate Quantity (IDIQ) work orders.

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		Exhibit P-4	Exhibit P-40, Budget Item Justification Sheet	em Justific	ation Sheet					February 2000		
Appropriation / Budget Activity/Serial No:	al No:		į			P-1 Item Nomenclature:	re:			٠		
OTh	OTHER PROCUREMENT / 3 / Other Support Equipment	/3/Other Support E	Squipment					WELDINGS	WELDING SHOP, TRAILER MTD (M62700)) (M62700)		
Program Elements for Code B Items:	S:			Code:	Other Related Program Elements:	am Elements:						
				∢								
	Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Qty	1374			64	96	144	98	92	94	94		2052
Gross Cost	37.5	0.0	0.0	3.0	6.0	6.0	6.0	5.8	5.9	5.9		76.3
Less PY Adv Proc					·							
Plus CY Adv Proc												
Net Proc (P-1)	37.5	0.0	0.0	3.0	6.0	6.0	6.0	5.8	5.9	5.9		76.3
Initial Spares												
Total Proc Cost	37.5	0.0	0.0	3.0	6.0	6.0	6.0	5.8	5.9	5.9		76.3
Flyaway U/C												
Wpn Sys Proc U/C												

DESCRIPTION: The welding shop is a trailer-mounted, self-contained unit with provisions for safely accomplishing oxy-propylene braze welding, straight stick electric arc, metal inert gas, air carbon arc-cutting and flux-cored wire welding of ferrous and nonferrous metals. The welding shop provides all purpose welding in support of the Army in the field. Mobility is accomplished by using a High Mobility Multi-Purpose Wheeled Vehicle (HMMWV) or a vehicle with a higher pulling payload capacity.

repairable. The new system mission will require that the system operate throughout the battlefield to include the Division Support Area (DSA), the Brigade Support Area JUSTIFICATION: FY01 funds support Welding Shops to fill unit requirements throughout the Army in fielding Force Package 1 units. Approximately 300 systems in the field were produced in the late 60's, with a life expectancy of 13 years. These units, as well as approximately 185 fielded in the early 80's, are uneconomically (BSA), and the Unit Maintenance Collection Point (UMCP).

Exhibit P-5, Weapon		Appropriation/ Budget Activity/Serial No: OTHER PROCUREMENT / 3 / Other Support	get Activity/ REMENT / 3	Serial No: / Other Support		P-1 Line Item WELDING S	P-1 Line Item Nomenclature: WELDING SHOP, TRAILER MTD (M62700)	MTD (M62700)		Weapon System Type:		Date: Febru	February 2000
			Equipment										
	₽		FY 98			FY 99			FY 00			전	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	\$000	000\$	Each	000\$	\$000	Each	\$000	\$000	Each	\$000
1. Hardware	٧				2368	64	37	5148	156	33	5250	150	35
2. First Article Test					298				· · ·				
3. Engineering Support (In-House)					174			190		٠	140		•
4. Publications					58								
5. Quality Support (TACOM - Rock Island)					69			92			75		
6. ECP					37			18			20		
7. Fielding								598			557		
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TOTAL					3004			6046			6042		
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Exhibit P.5a, Budget Procurement History and Planning Fall Library (2014) Fall Lib									Date:		
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Option Power Mig Inc. Contractor Option TACOM - Rock Island Apr-01 Apr-02 A	Appropriation / Budget Activity/Serial No:		Weapon Syste	am Type:		P-1 Line Item I	Nomenclature:				
and Types Location of PCO (Contractor and Location) Contractor and Location (Location) August (Location) <	OTHER PROCUREMENT / 3 / Other Support Equipment						WELDING	SHOP, TRAILER	MTD (M62	(00)	
oware Power Mig Inc. OFFP TACOM - Rock Island Aug-99 Sep-00 64 37 Yes Covington, TN Power Mig Inc. Option TACOM - Rock Island Apr-01 156 33 Yes Power Mig Inc. Option TACOM - Rock Island Jan-01 Apr-02 150 35 Yes Covington, TN Covington, TN Option TACOM - Rock Island Jan-01 Apr-02 150 35 Yes	WBS Cost Elements:	Confractor and Location	Contract Method	Location of PCO	Award Date	Date of First	ΩTΛ	Unit Cost	Specs Avail	_	₹FP Issue Date
Option TACOM - Rock Island Aug-99 Sep-00 64 37 Cowington, TN Power Mig Inc. Option TACOM - Rock Island Apr-01 Apr-02 156 35 Cowington, TN Cowington, TN Option TACOM - Rock Island Jan-01 Apr-02 150 35	Fiscal Years		and Type			Delivery	Each	\$000	Now?	Avail	
Power Mig Inc. Option TACOM - Rock Island Apr-00 Apr-01 156 33 Power Mig Inc. Option TACOM - Rock Island Jan-01 Apr-02 150 35	1. Hardware FY99	Power Mfg Inc. Covington, TN		TACOM - Rock Island	Aug-99		64	. 37			
Power Mig Inc. Covington, TN Covin	FY00	Power Mfg Inc. Covington, TN		TACOM - Rock Island	Apr-00	Apr-01	156	33			
	FY01	Power Mfg Inc. Covington, TN	Option	TACOM - Rock Island	Jan-01	Apr-02	150	35			
	- in a second se			4		L China	1	Londo O com			

FY00 award forecast late due to First Article Test (FAT) forecast for March FY00. FAT will test 3 assets which will be refurbished and shipped to the Ordnance School. Delivery to the field is forecasted to begin in September. FY00-FY01 procurements are Indefinate Delivery Indefinate Quantity (IDIQ) contracts.

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P-1 Item Nomenclature:

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P-40,	Sheet
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								Date:				
		Exhibit P-40, Budget		tem Justification Sheet	ation Sheet					February 2000		
Appropriation / Budget Activity/Serial No:	al No:					P-1 Item Nomenclature:	re:					
TO	OTHER PROCUREMENT / 3 / Other Support Equipment	/3/Other Support E	Equipment					ITEMS LESS T	ITEMS LESS THAN \$5.0M (MAINT EQ) (ML5345)	EQ) (ML5345)		
Program Elements for Code B Items:	·s			Code:	Other Related Program Elements:	am Elements:						
				∢								
	Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Qty												
Gross Cost	98.7	1.3	2.3	4.3	3.1	5.1	2.6	2.4	1.1	1.1	0.0	121.9
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	98.7	1.3	2.3	4.3	3.1	5.1	2.6	2.4	1.1	1:1	0.0	121.9
Initial Spares												
Total Proc Cost	98.7	1.3	2.3	4.3	3.1	5.1	2.6	2.4	1.1	7.	0.0	121.9
Flyaway U/C												
Wpn Sys Proc U/C												

DESCRIPTION: Provides for procurement of major shop equipment, shop sets, and weapon support items. Major shop equipment shop sets have multi-applications for Army maintenance organizations tasked with maintaining and repairing combat and tactical weapon systems. This equipment is for initial issue shortages or to replace overaged and uneconomically reparable assets.

JUSTIFICATION: The FY01 funds are required to procure tool sets and shop equipment to support current and increasing requirements of maintenance and weapons support units. These requirements include interchange, readiness fixing, and replacement of uneconomically reparable/unsupportable assets.

Demolition Equip Set, Expl Elec & Non Elec is used by Engineering, EOD & Special Forces for rendering safe unexploded devices as well as various other mission requiring explosive detonation.

Torch Outfit, Cutting & Welding Org Maint, Set 5, is required for performance of cutting and welding operations at the organizational level for track and wheel vehicles. This item is needed to satisfy readiness requirements.

Shop Set, Spare Part Storage, Field Maintenance (FM), Set 1, is required to provide the necessary equipment for the storage and security of authorized repair parts. This item is needed to satisfy readiness requirements.

Shop Equip, Machine Shop, Field Maint, Heavy Suppl provides the necessary components and the basic accessories for common field maintenance machine operations.

				Date
Exhibit P-40C Budget It	em Justifi	tem Justification Sheet		February 2000
Appropriation / Budget Activity/Serial No.		P-1 Item No	P-1 Item Nomenclature	
OTHER PROCUREMENT / 3 / Other Support Equipment				ITEMS LESS THAN \$5.0M (MAINT EQ) (ML5345)
Program Elements for Code B Items	Соде	Code Other Related Program Elements	\$1	

Shop Equipment, Radiator Test and Repair, FM, Composite, Shop Set B, is required to provide the special tools and equipment for the testing and repair of radiators at the organizational level. This item is needed to satisfy Readiness requirements.

Shop Equip, Machine Shop, Field maint, Basic, Less Power provides the necessary components to perform duties associated with Machine Shop Field Maintenance. Tool Set, Light Engineer, Squad provides necessary components for performing basic engineering functions at forward deployed, remote, wilderness areas. Shop Equip, Machine Shop Field Maint, Heavy provides necessary components for highly mobile machine shop operation.

Measuring Tool Set, Machinist's Set 6, is required to provide the necessary components to perform machinist's measuring and resizing of equipment to rebuild

Power Plant Shelter Set contains tools and equipment to construct, repair and maintain electrical power in forward or remote areas. engines at the organization, depot level. Item is needed to satisfy Readiness requirements.

Machine, Welding is a mig/tig welding machine used by units requiring welding capabilities but not authorized a mobile welding shop. Steam Cleaner is essential to prepare equipment for maintenance in both shop and field applications. Utilization reduces downtime.

bit P-5,		∯ c	Appropriation/ Budget Activity/Serial No:	get Activity/S EMENT / 3 /	Serial No:		7-1 Line Item ITEMS I	P-1 Line Item Nomenclature: ITEMS I ESS THAN \$5 0M (MAINT EQ)	(MAINT EQ)		Weapon System Type:		Date: Febru	February 2000
OPA Cost Analysis		5		quipment				(ML5345)	,					
	Ω			FY 98			FY 99			FY 00			FY 01	
Cost Elements	8	L	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		Н	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	000\$	Each	\$000
1. Demolition Equip Set, Expl Elec & Non Elec 1375-00-047-3750	F001					576	365	7	169	97	7	385	193	a
2. Torch Outfit, Cutting & Welding Org Maint Set 5 4940-00-357-7778	F065 A	<				06	48	2	15	7	2	34	16	2
3. Shop Set, Spare Part Storage Field Maint, Set 1 4940-00-322-6016	F079	⋖							936	150	9	1649	265	9
4. Shop Equip, Machine Shop Field Maint, Heavy Suppl 1 3470-00-754-0739	G321 A	∢	,					•	104	0	52	106	N	53
5. Shop Equip, Radiator Test & Repair, FM 4910-00-071-0747	G715 A	<				91	o	15	215	13	17	168	9	17
6. Shop Equip, Machine Shop Field Maint, Basic, Less Power 3470-00-754-0708	G322 A	4		,,, ys, a					106	0	53	108	2	3 5
7. Tool Set, Light Engineer Squad 5180-00-900-8559	G395 A	∢				232	09	4	29	15	2	90	15	2
8. Shop Equip, Machine Shop Field Maint, Heavy 3470-00-754-0738	G320 A	⋖							376	Ω.	75	383	r.	72
9. Advanced Radiographic Sys A (ARS) (EOD)	A010 /	<			•	1913	143	13						
10. Measuring Tool Set Machinist Set 6 5280-00-278-9919	F056 /	∢				11	10	N	#					
11. Shop Set, Spare Part Storage Field Maint, Set 2 4940-00-322-6017	F080 /	⋖							403	80	· Ω	525	106	ហ

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OPA Cost Analysis		OI HER PROCE	Equipment	OTHER PROCOREMENT / 57 Ourse Support Equipment			(ML5345)	(MICHAIL ECG)					2002
	₽		FY 98			FY 99			FY 00			FY 01	
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12. Power Plant Shelter Set 4940-00-089-5280	G651 A				94	N	47	221	Y-	221	221		221
13. Small Equip Repair Shelter Set G338 4940-00-209-6232	88				7.3	-	73	14	-	41			
14. Citadel Units PEND	9				131	105	-						
15. Engineering Support					75			81			83		
16. Machine, Milling 3417-00-624-4254	67 A				229	10	23						
17. Machine, Welding M632 3431-00-235-4728	32 A				220	52	4	188	20	4	188	20	4
18.Lathe, Engine 3416-01-030-8195	∢				199	10	20	204	ത	23			
19. Dearmer (EOD)	∢				လ	14							
20.Pioneer Tool Outfit					120	က	40						
21. Steam Cleaner											1198	26	46
22. Repgogram to AMC 21 Jun 99					250								
NOTE: #12 FY99 unit cost is tool sets only. FY00/FY01 includes procurement of shelter.		ellar -											
#13 FY99includes procurement of shelter. FY00 is tool sets only.		·											
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TOTAL		"			4315			3072			5078		

1 : : : : : : : : : : : : : : : : : : :	Exhibit D.53 Budget Procurement History and Planning	ietory an	d Planning					Date: Fet	February 2000	
	-5a, bugget rioculement i	Weapon System Type			P.1 Line Item Nomenclature:	Jomenclature.			noa (iiinu	
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Demolition Equip Set, Expl Elec & Non Elec Hardware and Assembly FY99 FY00	Rock Island Arsenal, Illinois Rock Island Arsenal, Illinois	REQN/FP 1	REQN/FP TACOM- Rock Island REQN/FP TACOM- Rock Island	Sep-99 Mar-00	Oct-99 Apr-00	365 97	2 2	> >		
FY01	Rock Island Arsenal, Illinois	REQN/FP 1	TACOM- Rock Island	Oct-00	Nov-00	193	2	>		· · · · · · · · · · · · · · · · · · ·
2. Torch Outfit, Cutting & Welding Org Maint Set 5 Hardware and Assembly FY99 FY00 FY01	Rock Island Arsenal, Illinois Rock Island Arsenal, Illinois Rock Island Arsenal, Illinois	REQN/FP T REQN/FP T REQN/FP T	REQN/FP TACOM- Rock Island REQN/FP TACOM- Rock Island REQN/FP TACOM- Rock Island	Sep-99 Mar-00 Oct-00	Oct-99 Apr00 Nov-00	48 7 16	000	>>>	THE SA	
3. Shop Set, Spare Part Storage Field Maint, Set 1 Hardware and Assembly FY00 FY01	Rock Island Arsenal, Illinois Rock Island Arsenal, Illinois	REQN/FP	REQN/FP TACOM- Rock Island REQN/FP TACOM- Rock Island	Mar-00 Oct-00	Apr-00 Nov-00	150 265	ပ ပ	> >		···
Shop Equip, Machine Shop, Field Maint, Heavy Hardware and Assembly FY00 FY01	Rock Island Arsenal, Illinois Rock Island Arsenal, Illinois	REQN/FP	REQN/FP TACOM- Rock Island REQN/FP TACOM- Rock Island	Mar-00 Oct-00	Apr-00 Nov-00	NN	52	> >		
5. Shop Equip, Radiator Test G715 Hardware and Assembly FY99 FY00	Rock Island Arsenal, Illinois Rock Island Arsenal, Illinois Rock Island Arsenal, Illinois	REQN/FP - REQN/FP - REQN/FP -	REQN/FP TACOM- Rock Island REQN/FP TACOM- Rock Island REQN/FP TACOM- Rock Island	Aug-99 Mar-00 Oct-00	Sep-00 Apr-00 Nov-00	13	15 17 17	>>>		
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6. Shop Equip, Machine Shop G322 Hardware and Assembly FY00	Rock Island Arsenal, Illinois		ZEQN/FP T	REQN/FP TACOM- Rock Island	Mar-00	Apr-00	8 8	£ 45	>->	· · · · · · · · · · · · · · · · · · ·	
FY01 7. Tool Set, Light Engineer Squad G395	Kock Island Arsen	W									
Hardware and Assembly FY99 FY00 FY01	Rock Island Arsenal, Illinois Rock Island Arsenal, Illinois Rock Island Arsenal, Illinois		REQN/FP T	REQN/FP TACOM- Rock Island REQN/FP TACOM- Rock Island REQN/FP TACOM- Rock Island	Sep-99 Mar-00 Oct-00	Oct-99 Apr-00 Nov-00	60 15 15	400	>>>	····	
8. Shop Equip, Machine Hardware and Assembly FY00	Rock Island Arsenal, Illinois		REQN/FP T	REQN/FP TACOM- Rock Island REQN/FP TACOM- Rock Island	Mar-00 Oct-00	Apr-00 Nov-00	വവ	75	> >		
9. Advanced Radiographic Sys A010 Hardware FY99	Science Applications International Corp.Sa	ons .San Diego, CA	C/FFP	TACOM- Rock Island	Mar-99	Apr-99	143	13	>		
10. Measuring Tool Set Hardware and Assembly FY99 FY00	6 Rock Island Arsenal, Illinois Rock Island Arsenal, Illinois	nal, Illinois nal, Illinois	REQN/FP -	REQN/FP TACOM- Rock Island REQN/FP TACOM- Rock Island	Sep-99 Mar-00	Oct-99 Apr-00	10	0 2	> >		•
REMARKS:										1	

	Exhibit P	Exhibit P-5a, Budget Procurement History and Planning	istory ar	nd Planning					Cate:	February 2000	00
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Fiscal Years			and Type			Delivery	Each	2000	Now.	Avail	
11. Shop Set, Spare Part Hardware and Assembly FY00 FY01	F080	Rock Island Arsenal, Illinois Rock Island Arsenal, Illinois	REQN/FP REQN/FP	REQN/FP TACOM- Rock Island REQN/FP TACOM- Rock Island	Mar-00 Oct-00	Apr-00 Nov-00	106	o o	> >		
12. Power Plant Shelter Set G Hardware and Assembly FY99 FY00	G651	Rock Island Arsenal, Illinois Rock Island Arsenal, Illinois Rock Island Arsenal, Illinois	REQN/FP REQN/FP REQN/FP	REQN/FP TACOM- Rock Island REQN/FP TACOM- Rock Island REQN/FP TACOM- Rock Island	Aug-99 Mar-00 Oct-00	Sep-99 Apr-00 Nov-00	0++	47 221 221	> > >		
13. Small Equip Repair Shelter Set G3 Hardware and Assembly FY99 FY00	G338	Rock Island Arsenal, Illinois Rock Island Arsenal, Illinois	REQN/FP REQN/FP	REQN/FP TACOM- Rock Island REQN/FP TACOM- Rock Island	Jun-99 Mar-00	Jul-99 Apr-00		73	> >		
14. Citadel Units PE Hardware FY99	PEND	Classified	SS/FFP	TACOM- Rock Island	Apr-99	Dec-99	105	-	>		
16. Machine, Milling Hardware FY99	S067	Bridgeport Machine Inc. Bridgeport, CT	С/FFР	TACOM- Rock Island	Jul-99	Sep-99	10	23	>		
REMARKS:		·									÷

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Exhibit F	Exhibit P-5a, Budget Procurement History and Planning	listory an	d Planning					2	ordany zoo	,
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17. Machine, Welding M632										—
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FY99	Valley National Gases Inc.	CPAF	I ACOIM- Rock Island	200	2	3	F	-	:	
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		CPAF								
18.Lathe, Engine S053										
Hardware FY99	Machinery Group Inc.	C/FFP	TACOM- Rock Island	May-99 Oct-99	Oct-99	10	20	>		
UVA	Huntington Beach, CA TBS	C/FFP	TACOM- Rock Island	Mar-00 Apr-00	Apr-00	6	23	>		
) 									
19. Dearmer (EOD) F044 Hardware FY99	Sandik Mfg Passaic, NJ	REQN/ FFP	TACOM- Rock Island	Feb-99	Dec-99	41		>		• •
20.Pioneer Tool Outfit Hardware and Assembly FY99	Rock Island Arsenal, Illinois	SS/FFP	TACOM- Rock Island	96-unf	Jan-00	ĸ	40	>		·
21. Steam Cleaner Hardware FY01	TBS	SS/FFP	SS/FFP TACOM- Rock Island	Oct-00	Oct-01	26	46	>		
REMARKS:										

Exhibit P-40	Justification Shee
	Budget Item

								Date:				
		Exhibit P-40, Budget I	_	tem Justification Sheet	ation Sheet					February 2000		
Appropriation / Budget Activity/Serial No:	ial No:					P-1 Item Nomenclature:	ξģ					
10	OTHER PROCUREMENT / 3 / Other Support Equipment	/3/Other Support	Equipment					STEAM CLEAN	STEAM CLEANER, TRAILER MOUNTED (\$60200)	VTED (S60200)		
Program Elements for Code B Items:	ns:			Code:	Other Related Program Elements:	am Elements:						
	Case V	EV 1007	EV 1008	FY 1000	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
10	200	1001	2001		47							47
Proc Qiy	6	00	00	00	12	0.0	0.0	0.0	0.0	0.0	0.0	1.2
Gross Cost	9.0	25	25	3								
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	0.0	0.0	0.0	0:0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	1.2
Initial Spares												
Total Proc Cost	0.0	0.0	0.0	0:0	1.2	0.0	0.0	0.0	0:0	0.0	0.0	1.2
Flyaway U/C												Ţ
Wpn Sys Proc U/C												

DESCRIPTION: The cleaner will be a general purpose, wheel-mounted, electrical motor driven, diesel fuel-fired self-contained unit with steam and high pressure hot and cold water cleaning capability. The cleaner will be capable of operating from any standard 220/240 V, AC, 50/60 Hz, single-phase commercial power source. When operating in the field, electrical power will be supplied by a self-contained, diesel, engine-driven generator.

NOTE: FY01 and FY02 funding has been moved to SSN ML5345 Items <\$5M (Maintenance Equipment)

Exhibit P-40,	Sudget Item Justification Sheet
Ш	Budget Item Justific

								Date:				
		Exhibit P-40, Budget	0, Budget It	Item Justification Sheet	ation Sheet					February 2000		
Appropriation / Budget Activity/Serial No:	ial No:					P-1 Item Nomendature:	re:	COMMOGORA	MOCOLAN MODILIES ENGINEERING (BOSSON)	(000COA) SINI		•
Į.	OTHER PROCUREMENT / 3 / Other Support Equipment	/3/Other Support E	Equipment					DOM NOISSIM	OLES - ENGINEEN	וואס (ווסדססס)		
Program Elements for Code B Items:	ms:			Code:	Other Related Program Elements:	am Elements:						
				∢								
	Drior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
	200											
Proc Qty						7.5	4	α r	3.7	98	0.0	42.6
Gross Cost	6.2	3.3	0.0	4.3	5.5	<u>.</u>	ö	22	5	25		
l oes DV Adv Proc												
201 100 100 100 100 100 100 100 100 100												
Plus CY Adv Proc									9-	Ġ	0	426
Net Proc (P-1)	6.2	3.3	0.0	4.3	5.5	1.5	6.1	8.5	3.7	3.6	0.0	Size.
Initial Spares												
T-4-1	6.3	33	0.0	4.3	5.5	1.5	6.1	8.5	3.7	3.6	0.0	42.6
The second of th												
riyaway O'O												

DESCRIPTION: Engineer Mission Modules (EMM) support the Combat Engineers and include Bituminous Distributor, Concrete Mobile Mixer, and 12 Cubic Yard Dump modules. These modules are transported by M1075 PLS Trucks and M1076 PLS Trailers, providing significantly improved mobility and flexibility to combat engineer units. The EMM modules are Non-Developmental Items (NDI) and replace single-purpose trucks that are overage, unreliable and not economically repairable.

JUSTIFICATION: FY01 continues procurement of EMMs to fill critical shortages in Combat Engineer units. AAOs are as follows: Bituminous Distributor 144ea, Concrete Mobile Mixer - 167ea, and 12 Cubic Yard Dump - 622ea.

oit P-5,	₹ ∪	Appropriation/ Budget Activity/Serial No: OTHER PROCUREMENT / 3 / Other Sup	udget Activit	Appropriation/ Budget Activity/Serial No: OTHER PROCUREMENT / 3 / Other Support		7-1 Line Item MISSION	P-1 Line Item Nomendature: MISSION MODULES - ENGINEERING	SINEERING		weapon oyacan ypos		Febru	February 2000
OPA Cost Analysis			Equipment			i	(R02000)		- S			EV 04	
	₽		FY 98			FY 99		H		115000	TotalCost	È	1 InitCost
Cost Elements	8	TotalCost	Qţ	UnitCost	TotalCost	À	UnitCost	TotalCost	<u></u>	UNITCOST	- Oral Cost) (S)	
	\Box	\$000	Each	\$000	\$000	Each	000	000\$	Fach	000	200	Lagg	200
1. Hardware													
Bituminous Distributor Modules	∢ <				1009	2 7	84 115	986 2020	12 8	82 112	247 450	ω 4	82 113
Concrete Mobile Mixer Modules Dump Modules	< <				1701	20	3 5	2085	62	34	440	13	& \$
SUBTOTAL					4088			5091			1137		
2 FCPs					88			153			06		
2 Ouglity Accurance Support					21			21			22		
in-House												****	
4. System Fielding Support					41			88			117		
5. PM Support					80			120			123		
			<u></u> .										
TOTAL					4319			5473			1489		
									- 				
	_												

								Date:		
Exhibit P	Exhibit P-5a, Budget Procurement History and Planning	listory an	d Planning					Feb	February 2000	
Appropriation / Budget Activity/Serial No:		Weapon System Type:	Type:		P-1 Line Item Nomenclature:	omenclature:				
OTHER PROCUREMENT / 3 / Other Support Equipment						ENGINEERIN	ENGINEERING MISSION MODULES (R02100)	ULES (R021		
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date Date of First	Date of First	ατγ			_	RFP Issue Date
Fiscal Years		and Type			Delivery	Each	\$000	Now?	Avail	
Bituminous Distributor Modules FY 99 FY 00 FY 01	Oshkosh Truck Corp. Oshkosh, Wl	SS/REQ5(2) TSS/REQ5(3) SS/REQ5(4)	TACOM	Feb-99 Jan-00 Dec-00	Jul-99 Jul-00 Jul-01	27 3 3	84 82 82	Yes Yes Yes		
Concrete Mobile Mixer Modules FY 99 FY 00	Oshkosh Truck Corp. Oshkosh, Wl	SS/REQ5(2) TACOM SS/REQ5(3) SS/REQ5(4)	TACOM	Feb-99 Jan-00 Dec-00	Jul-99 Jul-00 Jul-01	27 8 4	115 113 113	Yes Yes Yes		
Dump Modules FY 99 FY 00 FY 01	Oshkosh Truck Corp. Oshkosh, Wl	SS/REQ5(2) SS/REQ5(3) SS/REQ5(4)	TACOM	Feb-99 Jan-00 Dec-00	Apr-99 Jun-00 Jul-01	50 62 13	% % % %	Yes Yes Yes		
	•									
REMARKS:								1	-	

								Date:				
		Exhibit P-40, Budget I		tem Justification Sheet	tion Sheet					February 2000		
Appropriation / Budget Activity/Serial No:	al No:					P-1 Item Nomendature:	:6.					
ЩО	OTHER PROCUREMENT / 3 / Other Support Equipment	/3/Other Support E	quipment				_	ROLLER, VIBRATO	ROLLER, VIBRATORY, SELF-PROPELLED (CCE) (R03300)	ED (CCE) (R03300)		
Program Elements for Code B Items:	15.			Code:	Other Related Program Elements:	ım Elements:						
	0604804		DH01	80								
	Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Oh	406		88			70		41				605
Gross Cost	16.5	0.0	6.0	0.0	10.2	4.7	0.1	3.2	0.0	0.0	0.0	40.6
I ess PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	16.5	0.0	6.0	0.0	10.2	4.7	0.1	3.1	0.0	0.0	0.0	40.6
Initial Spares												
Total Proc Cost	16.5	0.0	6.0	0.0	10.2	4.7	0.1	3.1	0.0	0.0	0:0	40.6
Flyaway U/C									,			
Whn Sve Proc HC											:	

subbase horizontal construction requiring high load bearing capacity. Performance Specification date PD3895-2190 Sep 97; DTE/IOTE/OTE/TDP are all N/A as item is selected towed compaction equipment in light engineer units. The "light" (Type III) version with interchangeable smooth and padfoot drums will be procured for the 18th hardstands. The vibratory roller is intended to compact various types of cohesive and non-cohesive soils, and consolidate sand, gravel, and crushed rock for base and heavy roller (Type II) with a bolt on padfoot kit replaces the standard size currently in the inventory. A small "light" (Type I) version with a bolt on padfoot kit replaces DESCRIPTION: The Vibratory Self Propelled Roller is a commercial Nondevelopmental Item (NDI) with minor military unique modifications. It has the capability of exchanging smooth drum vibratory compaction to tamping foot compaction function within a single base self-propelled unit. There will be three types procured. A airborne/airmobile units (Type I & III). Missions of the vibratory roller include constructing/repairing roads, air fields, and base preparation of storage areas and Airborne Corps. Rollers will be capable of all modes of transportation, to include low velocity airdrop (Type III only) and external helicopter transport for nondevelopmental; TC Generic 1095; TC Standard scheduled for 2000.

Cost Analysis Agency Study of 1993 documented a \$12 O&S cost savings for every \$1 new acquisition cost for this old equipment. Two models will replace the existing This inventory is 13 to 34 years old and over 90% of the vehicles exceed the economic useful life of 15 years. The Operating and Support (O&S) costs associated with JUSTIFICATION: FY 01 funding procures 64 vibratory rollers. The Army inventory now contains 12 makes and models of compaction equipment to meet this mission. numerous makes and models, the nonavailability of repair parts, the age of the existing fleet and filling shortages directs the acquisition of new equipment. The Army fleet of 12 models self-propelled and towed rollers, promoting standardization. The Army's Authorization Objective is 660.

Exhibit P-5, Weapon	Ì	Appropriation/ Budget Activity/Serial No:	dget Activity	Serial No:		P-1 Line Item	P-1 Line Item Nomenclature:	T 120000	<u> </u>	Weapon System Type:		Date: Februs	February 2000
OPA Cost Analysis		OTHER PROCUREMEN / 3 / Other Support Equipment	REMEN 1 / 3 Equipment	/ Other Support		MOLLER,	(CCE) (R03300)))					
	₽		FY 98			FY 99			FY 00			FY 01	
Cost Elements	8	TotalCost	δ	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	ğ	UnitCost
		\$000	Each	\$000	000\$	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
Type II 2. Engineering Change Order 3. Documentation 4. Engineering In-House 5. System Fielding Support 6. System Fielding Support	п							9450 198 50 300 154 1197	150	E	4096 109 250 176	49	48
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	Exhibit P-5a, Budget Procurement ristory and Flanming	listory an	iu riailiilig		D.1 Line Item Nomenclature:	Vomenclature:				
Appropriation / Budget Activity/Serial No:		Weapon System Type:	п iype:		ROLL	LER, VIBRATO	ROLLER, VIBRATORY, SELF-PROPELLED (CCE) (R03300)	CC (CC	E) (R03300)
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Award Date Date of First	QTY	-			RFP Issue Date
Fiscal Years		and Type			Delivery	Each	\$000	Now?	Avail	
1. Hardware FY 98	Caterpillar	C/FP T	ТАСОМ	Apr-98	Feb-00	88	59	YES		
FY 00	Caterpillar	C/FP 7	ТАСОМ	Jan-00	Jun-00	150	63	YES		
FY 01	Caterpillar	C/FP	TACOM	Jan-01	Jun-01	64	64	YES		
		KEQ 5(3)								
	44.									
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					<u> </u>				8.0	
REMARKS: Jan 00 award planned. Based on release of OSD withhold (Congressional Plus Up).	se of OSD withhold (Congressional Plu	us Up).								

FY 00 / 01 BUDGET PRODUCTION SCHEDULE	E S	ION SCI	HEDU	Ш				ROLLER, VIB	MICHER, VIBRATORY, SELF-PROPELLED (CCE) (R03300)	, VIBR	ATOR	r, SELI	PRO	PELLE	၁၁) ဝ	E) (RC	3300)		ı				Į	ŀ	Febn	February 2000	8	ſ	
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		Exhibit P-40, Budget		em Justific	Item Justification Sheet					February 2000		
Appropriation / Budget Activity/Serial No:	al No:					P-1 Item Nomendature:	re:					
ŧIO	OTHER PROCUREMENT / 3 / Other Support Equipment	T/3/Other Support l	Equipment					COMPAC	COMPACTOR, HIGH SPEED (R06600)	R06600)		
Program Elements for Code B Items:	is:			Code:	Other Related Program Elements:	am Elements:		E				
				4								
	Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Qtv					87							87
Gross Cost	0.0	0.0	0.0	0.0	12.3	0.0	0.0	0.0	0.0	0.0	0.0	12.3
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	0.0	0.0	0.0	0:0	12.3	0:0	0.0	0.0	0.0	0.0	0.0	12.3
Initial Spares												
Total Proc Cost	0.0	0.0	0.0	0.0	12.3	0.0	0.0	0.0	0.0	0.0	0.0	12.3
Flyaway U/C												
Won Svs Proc U/C						-						

DESCRIPTION: The High Speed Compactor is a commercial self-propelled, diesel powered, tamping machine for high speed embankment compaction. Features include articulated steering, hydraulically controlled strike off dozer blade and tamping feet with adjustable cleaners on all wheels. It is the current Caterpillar commercial production model introduced in 1996. It will be used for compaction during construction of roads, airfields, and dams.

Exhibit P-5, Weapon	₹ 5	Appropriation/ Budget Activity/Serial No: OTHER PROCUREMENT / 3 / Other Support	dget Activity/. 3. REMENT	Serial No: / Other Support		P-1 LINe Iten COMPAC	P-1 Line item Nomenclature: COMPACTOR, HIGH SPEED (R06600)	ED (R06600)	-	Wedpoil System Lype.		Febr	February 2000
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1. Hardware 2. Engineering Change Order 3. Engineering In-House 4. Program Management Support 5. System Fielding Support	V							11360 245 30 294 345 112274	08	247			

Exhibit	Exhibit P-5a Budget Procurement History and Planning	History and	Planning					Date: Feb	February 2000	
Appropriation / Budget Activity/Seriat No:		Weapon System Type:	ype:		P-1 Line Item Nomenclature:	lomenclature:				T
OTHER PROCUREMENT / 3 / Other Support Equipment						COMPAC	COMPACTOR, HIGH SPEED (R06600)	D (R06600)		
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Award Date Date of First	ρ	Unit Cost			RFP Issue Date
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1. Hardware FY 00	Caterpillar, Peoria, III	C/FP Req 5(5)		Dec-99	May-00	8	142	742 YES		
REMARKS:								-		

FY 00 / 01 BUDGET PRODUCTION SCHEDULE	UCT	ION SC	HEDU	Щ			Ī	ern iv	Olien I	P-1 Item Nomenciature:	: OMPA(I'E: COMPACTOR, HIGH SPEED (R06600)	HGH	SPEE	CR06	(0099				ı				į		ebruar	February 2000		ŀ	T
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		Exhibit P-40, Budget Item Justification Sheet), Budget It	em Justifica	ation Sheet					February 2000		
Announced During Activity/Serial No.	3					P-1 Item Nomenclature:						
Appropriation badget Activities	OTHER PROCUREMENT /Other Support Equipment / 53504134	her Support Equipme	nt / 53504134				LOADERS		(R04500)			
Program Elements for Code B Items:	i.i.		l	Code:	Other Related Program Elements:	am Elements:						
090	0604804 AH01			8								
	Caron Vocan	EV 1007	EV 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
	TIO TERIS	1661	200		27	ıc	38	83	74	74		5961
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Gross Cost	209.6	0.0	0.0	0.0	7.7	1.4	10.1	6.62	+ 6-	2:5	3	2002
DV Adv Droc												
Less FI Adv Floo												
Plus CY Adv Proc												202.0
Net Proc (P-1)	209.6	0.0	0.0	0.0	7.7	1.4	10.1	25.3	19.4	19.5	0.0	233.0
Initial Spares	,											
Total Broc Cost	209 6	0.0	0.0	0.0	7.7	4.1	10.1	25.3	19.4	19.5	0.0	293.0
Elvaway IVC												
i yamay oʻlo												
Wpn Sys Proc U/C											4 14 15 11 11 11 11 11 11 11 11 11 11 11 11	

dump trucks, concrete mobile mixers, hoopers and aggregate bins. Two types are being procured: Type I with a 4.5 cubic yard rock bucket and Type II with a 5.0 cubic yard general purpose bucket. Performance specification date: 3Q00; DTE/IOTE/OTE/TDP are all N/A as item is nondevelopmental; TC Generic scheduled for 3Q00; DESCRIPTION: Loader, Scoop Type, 4-5 CU YD - The 4.5 and 5.0 cubic yard loader is a commercial item with minor military unique requirements. It is required for completing construction tasks which include excavating consolidated earth and loading blast rocks, loose rock, sand, aggregate and loose soil from stock piles into TC Standard scheduled for 4Q02.

(hinged jaw) bucket. New 2 1/2 cubic yard scoop loaders for Airborne/Airmobile units feature a quick-coupler mechanism to attach/detach the multipurpose bucket. The Loader, Scoop Type, DD 4 WHL, 2 1/2 CU YD - The scoop loader is a versatile item of equipment for performing horizontal and vertical construction tasks. The loader is a diesel-engine driven, four-wheel-drive machine with rear axle oscillation and articulated frame steering. The hydraulically-operated scoop bucket is attached to the loaders in Airborne/Airmobile units can be delivered by airdrop and low altitude parachute extraction, and a small number are capable of sectionalization for helicopter front of the loader by means of a push frame and lift arms. Loaders are usually equipped with one piece general purpose bucket, a rock bucket or a multipurpose lift operations.

identified that \$12 of O & S costs could be saved for every \$1 of new procurement funds for this type of construction equipment. Additionally, technology improvements in ride quality, fuel consumption, on-board diagnostics, and environmental compliance for engines will make the new equipment safer, Manpower Personnel Integration years. Due to their age and extensive heavy use, maintenance costs and parts availability have become a burden to the Army. The 1993 Cost Analysis Agency Study JUSTIFICATION: FY 01 funds will replace existing Loader, Scoop Type, 4-5 CU YD, last procured in 1978. These 20 year old loaders had a planned useful life of 15 (MANPRINT) friendly, and environmentally compliant. Funds through FY 01 will procure 30 vehicles towards the Total Force Package 1 requirement of 73. Total Army's Authorization Objective 258.

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		COST Elements	TOTAL
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Appropriation / Budget Activity/Serial No:	al No:					P-1 Item Nomenclature:	:6					
<u> </u>	OTHER PROCUREMENT / 3 / Other Support Equipment	/3/Other Support E	quipment					LOADER, SCOO	LOADER, SCOOP TYPE, 4-5 CU YD (CCE) (R03900)	(CCE) (R03900)		
Program Elements for Code B Items:	ns:			Code:	Other Related Program Elements:	am Elements:						
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	Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Organ Other	419				27	5	38	43	14	14		260
Gross Cost	30.6	0.0	0:0	0:0	7.7	1.4	10.1	11.6	4.0	4.1	0.0	69.5
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Net Proc (P-1)	30.6	0.0	0.0	0:0	7.7	1.4	10.1	11.6	4.0	4.1	0.0	09.5
Initial Spares												
Total Proc Cost	30.6	0.0	0.0	0.0	7.7	1.4	10.1	11.6	4.0	4.1	0.0	69.5
Flyaway U/C												
Who Sve Proc LIF.												

DESCRIPTION: The 4.5 and 5.0 cubic yard loader is a commercial item with minor military unique requirements. It is required for completing construction tasks which include excavating consolidated earth and loading blast rocks, loose rock, sand, aggregate and loose soil from stock piles into dump trucks, concrete mobile mixers, hoppers and aggregate bins. Two types are being procured; Type I with a 4.5 cubic yard rock bucket and Type II with a 5.0 cubic yard general purpose bucket. Performance Specification date 3Q00; DTE/IOTE/TDP are all N/A as item is nondevelopmental; TC Generic 3Q00; TC Standard scheduled for 3Q00 JUSTIFICATION: FY 01 funds will replace existing loaders, last procured in 1978. These 20 year old loaders had a planned useful life of 15 years. Due to their age and consumption, on-board diagnostics, and environmental compliance for engines will make the new equipment safer, MANPRINT friendly, and environmentally compliant. extensive heavy use, maintenance costs and parts availability have become a burden to the Army. The 1993 Cost Analysis Agency Study identified that \$12 of O&S costs could be saved for every \$1 of new procurement funds for this type of construction equipment. Additionally, technology improvements in ride quality, fuel Fund through FY 01 will procure 30 vehicles towards the Total Force Package 1 requirement of 73. Total Army's Authorization Objective 258.

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D CD B B rest-		Equipment			LOADER, a	(R03900)	(202)					
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n test-	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
5. Engineering In-House 6. Program Management Support 7. System Fielding Support							6561 217 255 100 151 362 58 58		243	741 45 300 258 258		247
Total							10.2					

14:47	E-kikit D-59 Budget Procurement History and Planning	Hietory ar	nd Planning					Date:	February 2000	8
Announdation / Budank Anticht/Cariel No.	-3a, Dadger I local ellicit.	Weapon System Type:	m Type:		P-1 Line Item Nomenclature:	Vomenclature:				
Appropriation / Budget Activity/Setial No. OTHER PROCUREMENT / 3 / Other Support Equipment					E.	OADER, SCO	OP TYPE, 4-5 CU	YD (CCE)		
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Award Date Date of First	αīγ		Specs Avail		RFP Issue Date
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		Exhibit P-4	Exhibit P-40, Budget Item Justification Sheet	em Justifica	ation Sheet					February 2000		
Appropriation / Budget Activity/Serial No:	al No:					P-1 Item Nomenclature:	:6:					
±5 .	OTHER PROCUREMENT / 3 / Other Support Equipment	7 3 / Other Support E	quipment					HYDRAL	HYDRAULIC EXCAVATOR (X01500)	(01500)		
Program Elements for Code B Items:				Code:	Other Related Program Elements:	am Elements:						
	060480	0604804 DH01		æ								
	Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Otv		17	10	32	34	35	41	35	10	10		224
Gross Cost	0:0	4.4	1.7	7.8	8.3	8.3	8.6	8.9	2.2	2.3	0.0	52.5
l ass DV Adv Proc												
Dies CV Adv Bros												
Not Broo (B. 1)	5	44	1.7	7.8	8.3	8.3	8.6	8.9	2.2	2.3	0.0	52.5
Initial Section												
Total Proc Cost	0.0	4.4	1.7	7.8	8.3	8.3	8.6	8.9	2.2	2.3	0:0	52.5
Flyaway 17/C												
Mar Sup Brootti												

bucket also for use in quarry operations. Performance Specification date Oct 97; DTE/IOTE/OTE/TDP are all N/A as item is nondevelopmental; TC Generic May 98; TC self-propelled, track mounted, hydraulically controlled system, equipped with a hydraulic quick disconnect coupler for use with a wide variety of attachments. The HYEX DESCRIPTION: The Hydraulic Excavator (HYEX) is a commercial item of construction equipment with minor military unique modifications. It is a diesel engine driven, will be transported by highway, rail, marine, and air in C-17 and C-5 aircraft. Type I is equipped with attachments used for general excavation, digging, trenching and lifting. Type II is equipped with a rock drill and a heavy duty bucket for quarry operations. Type III is equipped with an impact breaker, rock bucket, and heavy duty Standard Full Material Release scheduled for 2Q00.

were accomplished with four obsolete systems, all procured in the late 50's and early 60's, and one current system, D8K (T-11 Size) Tractor, procured in 1976. The four pneumatic rock drill, and (4) the 750 cfm air compressor. The HYEX will replace all five systems with one multipurpose excavation system that will result in significant JUSTIFICATION: FY 01 funds the HYEX which will satisfy the Army's requirement to provide Engineer Units a machine with state-of-the-art, multipurpose excavation capabilities to perform construction and quarry missions. It is the single most versatile piece of equipment used in commercial industry. Previously these missions overaged, unsupportable systems, type classified obsolete in FY 93, were (1) 12.5 ton crawler crane, cable controlled with attachments, (2) ditching machine, (3) O&S cost reduction and increased productivity and effectiveness in accomplishing engineer construction missions. The Army's Authorization Objective is 262.

Prince P	Exhibit P-5, Weapon OPA Cost Analysis		Appropriation/ Budget Activity/Serial No: OTHER PROCUREMENT / 3 / Other Support Equipment	iget Activity// REMENT / 3 Equipment	Serial No: / Other Support		P-1 Line Item HYDRAL	P-1 Line Item Nomenclature: HYDRAULIC EXCAVATOR (X01500)	R (X01500)	>	Weapon System Type:		Date: February 2000	February 2000
Columbia Columbia		₽		FY 98			Ł	66		FY 00			FY 01	
8000 Each 8000 S000 Each 8000 S000 S000 Each 8000 S000 S000 S000 S000 S000 S000 S00	Cost Elements	8		Qt	UnitCost	TotalCost	Qfy	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
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	Exhibit P	Exhibit P-5a, Budget Procur	rement His	tory an	Procurement History and Planning					ቪ	February 2000	0
Appropriation / Buc	Appropriation / Budget Activity/Serial No:		Wes	Weapon System Type:	п Туре:		P-1 Line Item Nomenclature:	Nomenclature:				
OTHER PR	OTHER PROCUREMENT / 3 / Other Support Equipment							HYDRA	HYDRAULIC EXCAVATOR (X01500)	R (X01500)		
WBS Cost Elements:	ıts:	Contractor and Location		Contract	Location of PCO	Award Date Date of First	Date of First	αTY	Unit Cost	Specs Avail	Date F Revsn	RFP Issue Date
Fiscal Years			65	and Type			Delivery	Each	\$000	_	Avail	
1. Hardware FY 99		John Deere, Moline, ILL		C/FP 1	TACOM	Jan-99 Aug-00	Aug-00	32	212	YES		
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FY 00		John Deere, Moline, ILL		C/FP 1	TACOM	Feb-00	Feb-00 Dec-00	32	210	YES		
FY 01	-	John Deere, Moline, ILL			ТАСОМ	Nov-00 Apr-01	Apr-01	29	258	YES		
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REMARKS:	Variation in unit cost is due to three sizes of HYEXs being procured from a 5 year requirements contract. Unit costs listed above reflect average unit costs for the three different sizes of HYEXs.	of HYEXs being procured	from a 5 year	requireme	ants contract. Unit costs listed	d above refi	lect average	e unit costs	for the three di	ifferent s	zes of H	YEXs.
	Actual price breakout for the types of HYEXs is annotated on P-5.	EXs is annotated on P-5.	•	-			•					

Item No. 155 Page 3 of 5

FY 00 / 01 BUDGET PRODUCTION SCHEDULE	S	TION SC	HEDUL				:	T.		I	YDRA	HYDRAULIC EXCAVATOR (X01500)	XCAV	ATOR	(X01	(005					·					February 2000	2000			
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	Exhi	nibit P-40,	Budget It	em Justifi	bit P-40, Budget Item Justification Sheet	et				February 2000		
Appropriation / Budget Activity/Serial No:	/Serial No:					P-1 Item Nomenclature:	ature:					
OTHER	OTHER PROCUREMENT / 3	/3/Other Support Equipment	rt Equipment				DEPLC	YABLE UNIVERS	DEPLOYABLE UNIVERSAL COMBAT EARTH MOVERS (M10600)	RTH MOVERS (M	(10600)	
Program Elements for Code B Items:	Items:			Code:	Other Related Program Elements:	gram Elements:						
				٧								
	Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2005 To Complete Total Prog	Total Prog
Proc Qty	15	21	23	54	43	34						160
Gross Cost	9.4	7.7	8.3	9.2	16.6	14.1	0.0	0.0	0.0	0.0	0.0	65.3
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	9.4	7.7	8.3	9.2	16.6	14.1	0.0	0.0	0.0	0.0	0.0	65.4
Initial Spares												
Total Proc Cost	9.4	7.7	8.3	9.2	16.6	14.1	0.0	0.0	0.0	0.0	0.0	65.4
Fiyaway U/C												
Wpn Sys Proc U/C												

earthmoving tractor capable of conducting clearing, leveling, and excavating operations. The DEUCE will travel at speeds of 30 mph between job sites, travel across paved airfield and highways without damaging the surfaces, and be capable of low velocity air drop and roll-on/roll-off from C-130 and C-17 aircraft. The unique rubber track gives the DEUCE capabilities significantly greater than the steel tracked, low speed bulldozer it will replace. Light divisions and airborne units will use the DEUCE in support of mobility, countermobility, survivability, and DESCRIPTION: The Deployable Universal Combat Earth Mover (DEUCE) is a military unique system. It is a high-speed self deployable sustainment of engineer missions.

needed capability in terms of increased mobility and self deployability to light engineer units supporting light divisions replacing commercial low speed T-5 tractors. These current tractors require a prime mover and trailer, thus limiting its battlefield movement. Engineers, as part of the combined arms team, need this lightweight earthmoving capability that is tactically self-deployable and is strategically deployable by air. The JUSTIFICATION: The FY 01 funding supports the Engineer School's top priority acquisition of construction equipment. DEUCE provides a Army's Authorization Objective is 188.

Exhibit P-5, Weapon		Appropriation/ Budget Activity/Serial No:	3udget Act	tivity/Serial No:		P-1 Line It	P-1 Line Item Nomenclature:	ure:	<u>></u>	Weapon System Type:		Date:	
OPA Cost Analysis		OTHER PROCUREMENT / 3 / Other	PROCUREMENT / 3	VT / 3 / Other		DEPLOY	DEPLOYABLE UNIVERSAL COMBAT	SAL COMBAT				Februa	February 2000
	9	doo	FY 98			FY 99	EARTH MOVERS (MT0800)	1	₽ 1			FY 04	
Cost Elements	8	TotalCost	ŧ	UnitCost	TotalCost		UnitCost	TotalCost	ĝ	UnitCost	TotalCost	\vdash	UnitCost
		\$000	Each	\$000	\$000	Each	\$000	000\$	Each	\$000	000\$	Each	\$000
1. Hardware 2. Armored Kits 3. Engineering Change Order 4. Engineering In-House 5. Program Management Support 6. System Fielding Support	<				8688 164 105 227	9 9	382	15708 220 83 311 257	42	374	13233 373 800 300 180	33	401
TOTAL					9245			16579			14146		

	Shipit D.5s Budget Drocuroment History and Diaming	History	and Diaming					Date: Fo	February 2000	g
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Appropriation / Budget Activity/Serial No:		Weapon System 1ype:	em lype:		P-1 Line Item Nomenclature:	n Nomencla	ture:			
OTHER PROCUREMENT / 3 / Other Support Equipment					DEPLOYAB	LE UNIVER	DEPLOYABLE UNIVERSAL COMBAT EARTH MOVERS (M10600)	EARTHM	OVERS (110600)
WBS Cost Elements:	Contractor and Location	Contract	Location of PCO	Award Date	Date of First	QIY	Unit Cost	Specs	Date R Revsn	RFP Issue Date
Fiscal Years		and Type			Delivery	Each	\$000		Avail	
1. Hardware FY 99 FY 00 FY 01	CATERPILLAR MINNEAPOLIS, MN CATERPILLAR MINNEAPOLIS, MN CATERPILLAR MINNEAPOLIS, MN		TACOM TACOM	Feb-99 Jan-00 Jan-01		4 4 £	362 374 401	YES		
REMARKS: FY 01 will be a negotiated extension of current contract & unit price is currently estimated.	on of current contract & unit price i	is currently	estimated.					:	•	

Figure Vestor Colored Vestor	EV 00 / 01 BIIDGET PRODUCTION		_	SE SE	SCHEDULE			Į.	Item r	VABLI	P-1 Item Nomenclature: DEPLOYABLE UNIVERSAL COMBAT EARTH MOVERS (M10600)	Jre: /ERS/	ار 20	MBAT	EAR	₹	OVEF	S (M	990	_	<u></u>	Dale.			æ	February 2000	2000		
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		Exhibit P-4	0, Budget It	em Justifica	Exhibit P-40, Budget Item Justification Sheet					February 2000		
Appropriation / Budget Activity/Serial No:	al No:					P-1 Item Nomenclature:	Te:					
ф	OTHER PROCUREMENT / 3 / Other Support Equipment	7/3/Other Support E	quipment					-	CRANES (M06700)			
Program Elements for Code B Items:	:8:			Code:	Other Related Program Elements:	am Elements:						
	Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Qty												
Gross Cost	182.9	0.0	13.3	19.3	21.8	6.1	15.2	15.6	6.2	0.7	0.0	281.0
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	182.9	0.0	13.3	19.3	21.8	6.1	15.2	15.6	6.2	0.7	0.0	281.0
Initial Spares												
Total Proc Cost	182.9	0.0	13.3	19.3	21.8	6.1	15.2	15.6	6.2	0.7	0.0	281.0
Flyaway U/C												
Wnn Svs Proc U/C												

diesel engine driven, with a minimum 50 foot boom. It will be operable with clamshell, drag line, pile driving equipment, wrecking ball, and concrete bucket attachments. jetties, and breakwaters; construction of piers, wharves, ramps and related structures required for cargo loading/off loading; preparation and construction of facilities for DESCRIPTION: Crane, Shovel Crawler MTD, 20-40 Ton W/ATTACH - This is a commercial crawler crane, with full revolving superstructure, hydraulically operated, a construction projects, (i.e. airfields, highways and storage facilities. It will be capable of lifting and assisting with the assembly of all causeway modules, including the It will be used to support Port Construction Companies and Construction Support Companies for: construction, rehabilitation and maintenance of mooring systems, roll on, roll off, break bulk containerized cargo handling; maintain tanker discharge facilities; dredging and removal of underwater obstructions; installing off shore petroleum discharge systems in support of Army LOTS (Logistics Over The Shore); provide support for rock crushing, bituminous mixing, and major horizontal powered causeway module which weights almost 50,000 lbs.

of operating with a hydraulic clamshell and grapple, pile driver and concrete bucket. It is capable of lifting, lowering, loading, and handling general supplies, construction driven, and has a full revolving superstructure and cab, and a hydraulically powered telescoping boom. Used in engineer construction excavating missions, it is capable Crane, Wheel MTD, 25T, 3/4 CU. YD. RT - This is a commercial All Terrain Crane (ATEC) with minor military unique modifications. It is pneumatic tired, diesel engine materials and bridging to support maintenance, resupply points and logistic support facillities.

(ABN/AMBL). The Type II crane is also externally transportable by medium lift helicopter. These new cranes replace the 3-,5-, and 7- ton cranes previously in the Army Crane, Whl Mtd, Hyd Light, 7 1/2 Ton - The 7.5 ton crane is a diesel-engine driven, 2- and 4- wheel drive vehicle. It is hydraulically operated and equipped with a full revolving telescoping boom. The family consists of two types of the same basic crane. A Type I crane (non-sectionalized is for units other than Airborne/Airmobile inventory on a 1:1 basis.

				Date
Exhibit P-40C Budget Ite	ım Justific	Item Justification Sheet		February 2000
Appropriation / Budget Activity/Serial No.		ď.	P-1 Item Nomendature	
OTHER PROCUREMENT / 3 / Other Support Equipment				CRANES (M06700)
Program Elements for Code B Items	Code	Other Related Program Elements	n Elements	

the ATEC will provide improved readiness, state-of-art commercial technology, and will blend the mobility characteristics of the three cranes it is replacing into one crane JUSTIFICATION: FY 01 procures additional Crane Shovel Crawler MTD, 20-40 Ton W/ATTACH. The Heavy Engineer Crane replaces the 40 ton crawler cranes procured (LIN B12585), the skid-mounted pile driving rig (LIN N91371), the 750 CFM Air Compressor (LIN C72872), 5 3/4 ton winch (LIN Y51851) and pile hammer (LIN K04834), in the early 1960's and various supporting items with modern crane and pile driving systems. The current systems are inefficient and not capable of providing the proper (OSHA), American National Standards Institute (ANSI), and Environmental Protection Agency (EPA) health, safety, and environmental requirements. Procurement of configuration of the current crane is difficult and time consuming to transport. It is not capable of removing its own counterweights and requires assistance from other operational output to meet the mission of the units. Systems to be replaced are: the 40 ton crawler crane with its front shovel (LIN T40771) and backhoe attachment operation and sustainment (O & S) costs to maintain them. Also, the currently fielded cranes do not meet all current Occupational Safety and Health Administration FY 01 procurement for the All Terrain Crane (ATEC) replaces 3 existing overage cranes: 20 ton truck mounted crane, 25 ton truck mounted crane, and 20 ton rough leads (LIN L48815 & L49089). The current 40 ton cranes do not meet all required OSHA and Manpower Personnel Integration (MANPRINT) requirements. The terrain crane that includes eight different makes and models. These cranes are 19-30 years old, have low operational readiness rates and units incur significant Materiel Handling Equipment (MHE) to prepare for transport. The Army's Authorization Objective is 29. capable of on and off road travel. The Army's Authorization Objective is 460.

Exhibit P-5, Weapon OPA Cost Analysis	4	Appropriation/ Budget Activity/Serial No: OTHER PROCUREMENT / 3 / Other Support Equipment	iget Activity/ REMENT / 3 Equipment	Serial No: / Other Support		P-1 Line Iter	P-1 Line Item Nomenclature: CRANES (M06700)	(00		Weapon System Type:		Date: Febru	February 2000
	₽		FY 98			FY 99			FY 00			FY 01	
Cost Elements	8	TotalCost	Qty	I – I	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
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-to	OTHER PROCUREMENT / 3 / Other Support Equipment	T / 3 / Other Support l	Equipment					CRANE SHOV	CRANE SHOVEL CRAWLER MTD, 20-40 TON W/ATTACH (M06600)	20-40 TON W/ATT	4CH (M06600)	
Program Elements for Code B Items:	S:			Code:	Other Related Program Elements:	am Elements:						
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	Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Qty	45				2	4	5	5	ε	1	2	7.1
Gross Cost	6.7	0.0	0.0	0.0	3.9	3.1	3.2	3.3	2.3	0.7	1.4	24.8
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	6.7	0.0	0.0	0.0	3.9	3.1	3.2	3.2	2.3	0.7	1.4	24.8
Initial Spares												
Total Proc Cost	6.7	0.0	0.0	0.0	3.9	3.1	3.2	3.3	2.3	0.7	1.4	24.8
Flyaway U/C												
Wpn Sys Proc U/C												

Companies and Construction Support Companies for: Construction, rehabilitation and maintenance of mooring systems, jetties, and breakwaters; construction of piers, DESCRIPTION: This is a commercial crawler crane, with full revolving superstructure, hydraulically operated, a diesel engine driven, with a minimum 50 foot boom. wharves, ramps and related structures required for cargo loading/off loading; preparation and construction of facilities for roll on, roll off, break bulk and containerized storage facilities. It will be capable of lifting and assisting with the assembly of all causeway modules, including the powered causeway module which weights almost cargo handling; maintain tanker discharge facilities; dredging and removal of underwater obstructions; installing off shore petroleum discharge systems in support of Army LOTS (Logistics Over The Shore); provide support for rock crushing, bituminous mixing, and major horizontal construction projects, i.e. airfields, highways and It will be operable with clamshell, drag line, pile driving equipment, wrecking ball, and concrete bucket attachments. It will be used to support Port Construction 50,000 lbs. Performance Specification date: Apr 99; DTE/IOTE/OTE/TDP are all N/A as item is nondevelopmental; TC Generic 3Q00; TC Standard 1Q02.

items with modern crane and pile driving systems. The current systems are inefficient and not capable of providing the proper operational output to meet the standards or mission of the units. Systems to be replaced are: the 40 ton crane with its front shovel (LIN T40771) and backhoe attachment (LIN B12585), the skid-mounted pile JUSTIFICATION: FY 01 funding procures the Heavy Engineer Crane which replaces the 40 ton crawler cranes procured in the early 1960's and various supporting The current 40 ton cranes do not meet all required OSHA and Manpower Personnel Integration (MANPRINT) requirements. The configuration of the current crane is driving rig (LIN N91371), the 850 CVM Air compressor (LIN C72872), 5 3/4 ton winch (LIN Y51851) and pile hammer (LIN K04834), Leads(LINs L48815 & L49089) difficult to transport. It is not capable of removing its own counterweights and requires assistance from other Materiel Handling Equipment (MHE) to prepare for transport. The Army's Authorization Objective is 29.

oit P-5,		Appropriation/ Budget Activity/Serial No:	adget Activity	/Serial No:		P-1 Line Iten	P-1 Line Item Nomenclature:	0.00		Weapon System Type:		Date:	0000
OPA Cost Analysis		OI HER PROCE	Equipment	OTHER PROCOREMENT / 3/ Other Support Equipment		OF STATE OF	TON WATTACH (M06600)	106600)					uary 2000
	Ω		FY 98			FY 99			FY 00			FY 01	
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П		000\$	Each	\$000	\$000	Each	\$000		Each	\$000	000\$	Each	\$000
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TOTAL		115						3849			3127		
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TAPIDit	Exhibit P-5a Budget Procurement History and Planning	tistory ar	nd Planning					Date: Fe	February 2000	8
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Appropriation / Budget Activity/Serial No:		weapon system	in Type.		P-1 LING IGM	Nomenciature	Line liem nomendature: CRANE SHOVE! CRAW! FR MTD 20-40 TON W/ATTACH (M06600)	TON WAT	TACH (MC	(0099
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REMARKS:										

FY 100 / 101 BUDGET PRODUCTION SCHEDULE	PROD	UCTIO	N SC	HED	ULE					F-1 INSTITUTION OF THE SHOVEL CRAWLER MTD, 20-40 TON W/ATTACH (M06600)	SHO	VEL CI	3AWL	ER MT	D, 20-4	0 TO	-W/A	TAC	(M06	900)			,				Febr	February 2000	000		
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		Exhibit P-4	0, Budget It	Exhibit P-40, Budget Item Justification Sheet	tion Sheet					February 2000		
Appropriation / Budget Activity/Serial No:	No:					P-1 Item Nomenclature:	īē:		-			
OTF	OTHER PROCUREMENT / 3 / Other Support Equipment	/3/Other Support E	quipment					CRANE, WHEEL	CRANE, WHEEL MTD, 25T, 3/4 CU YD, RT (X00800)	'D, RT (X00800)		
Program Elements for Code B Items:	S:			Code:	Other Related Program Elements:	ım Elements:						
	0604804,	0604804A DH01		∢								
	Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Qty	2758	29	99	2.2	69	11	48	49				3097
Gross Cost	170.1	6.1	13.3	19.3	17.9	3.0	12.0	12.4	0.0	0.0	0.0	254.1
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	170.1	6.1	13.3	19.3	17.9	3.0	12.0	12.4	0.0	0.0	0.0	254.1
Initial Spares		-										
Total Proc Cost	170.1	6.1	13.3	19.3	17.9	3.0	12.0	12.4	0:0	0.0	0.0	254.1
Flyaway U/C												
Wpn Sys Proc U/C												

has a full revolving superstructure and cab, and a hydraulically powered telescoping boom. Used in engineer construction excavating missions, it is capable of operating DESCRIPTION: The All Terrain Crane (ATEC) is a commercial all terrain crane with minor military unique modifications. It is pneumatic tired, diesel engine driven, and with a hydraulic clamshell and grapple, pile driver and concrete bucket. It is capable of lifting, lowering, loading, and handling general supplies, construction materials and bridging to support maintenance, resupply points and logistic support facilities.

and 20 ton rough terrain crane that includes eight different makes and models. These cranes are 19-30 years old, have low operational readiness rates and units incur JUSTIFICATION: FY 01 procurement for the All Terrain Crane (ATEC) replaces 3 existing overage cranes: 20 ton truck mounted crane, 25 ton truck mounted crane, Administration (OSHA), American National Standards Institute (ANSI), and Environmental Protection Agency (EPA) health, safety, and environmental requirements. Procurement of the ATEC will provide improved readiness, state-of-art commercial technology, and will blend the mobility characteristics of the three cranes it is significant operation and sustainment (O&S) costs to maintain them. Also, the currently fielded cranes do not meet all current Occupational Safety and Health replacing into one crane capable of on and off road travel. The Army's Authorization Objective is 460

oit P-5,	_	Appropriation/ Budget Activity/Serial No:	get Activity/	Serial No:	<u>u. </u>	P-1 Line Item CRANF WH	P-1 Line Item Nomenclature: CRANF WHEEL MTD 25T 3/4 CLLYD, RT	3/4 CU YD. RT		Weapon System Type:		Date: Febr	February 2000
OPA Cost Analysis			Equipment	and cabba		Î	(X00800)						
	₽		FY 98			FY 99			FY 00			FY 01	
Cost Elements	8	TotalCost	ģ	UnitCost	TotalCost	Qfy	UnitCost	TotalCost		UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	\$000	П	Each	00\$	\$000	Eac	\$000	\$000	Each	\$000
1. Hardware 2. Attachments 3. Refurbishment 4. Engineering Change Order 5. Documentation 6. Testing (Production Qualification test Government ATC) 7. Engineering In-House 8. Program Management Support 9. System Fielding Support 9. System Fielding Support	<				100 100 100 100 112 223 115 237	73 73 73 73 73 73 73 73 73 73 73 73 73 7	213	15180 260 249 359 359		220	2260 140 100 50 204 208		22 <u>6</u> 28 28
Total					19332			17907			2962		

<u> </u>	Exhibit P-5a. Budget Procurement History and Planning	History a	nd Planning					Date:	February 2000	8
Appropriation / Budget Activity/Serial No:		Weapon System Type:	m Type:		P-1 Line Item	P-1 Line Item Nomenclature:				
OTHER PROCUREMENT / 3 / Other Support Equipment	nent)	RANE, WHEE	CRANE, WHEEL MTD, 25T, 3/4 CU YD, RT (X00800)	U YD, RT	(x00800)	
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date Date of First	Date of First	ΩTY	Unit Cost	Specs Avail	Date Revsn	RFP Issue Date
Fiscal Years		and Type			Delivery	Each	\$000	Now?	Avail	
1. Hardware FY 99	Grove Worldwide	C/FP	TACOM	Dec-98	99-unc	39	213	YES		
	Shadygrove, PA.	_							-	
FY 99	Grove Worldwide		TACOM	Mar-99	Oct-99	32	213	YES		
FY 99	Snadygrove, PA. Grove Worldwide	Keq 5(z) C/FP	TACOM	May-99	Mar-00	9	213	YES		
	Shadygrove, PA.	Req 5(2)								
FY 00	Grove Worldwide	C/FP	TACOM	66-40N	Apr-00	69	220	YES		
74 O4	Shadygrove, PA. Grove Worldwide	Req 5(3)	TACOM	Oct-00	Apr-01	10	226	YES		
- - -	Shadygrove, PA.	Req 5(4)				!				
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REMARKS: EV OO Doogmbor outor	EV 00 December award raflodes initial releases of funds and automity 30. March award raflode Congressional \$8 Mil releases and automity of 32	d ou sontity	30 March award reflec	of Congress	leucise 6	Nil rel	p pue esce	titue	of 30	Mov

FY 99 - December award reflects initial release of funds and quantity 39. March award reflects Congresional \$8 Mil release and quantity of 32. May award reflects additional release of withheld funds and quantity 6.

						P-11	P-1 Item Nomenclature:	nencla	ture:										Date:	te:							
FY 00 / 01 BUDGET PRODUCTION SCHEDULE	CTION	SCH	EDULE			-		S S S	NE, W	CRANE, WHEEL MTD, 25T, 3/4 CU YD, RT (X00800)	ATD, 2.	5T, 3/4	양	, RT ()	00800	ا ِ			\dashv			Ì	Febru	February 2000			T
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COST ELEMENTS	<u>г</u> с		R Each	1 oct	AS OF	π. Ο Ο ⊢	Z O >	¬ ∢ z	ппо	Σ∢α	< □ ¤	× × ×	7 D Z	∢⊃७ -	ωшс	0 U F	z 0 >	ОПО	¬ < Z	≥ ∢ æ	4 G K	۲۶₹	¬ ⊃ Z	ר כ ר	A ⊃ Ω ⊗ ⊞ Ψ	⊢ w œ	
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FY 00 / 01 BUDGET PRODUCTION SCHEDULE	UCTION S	CHEL	JULE					S. A.	NE, W	CRANE, WHEEL MTD, 25T, 3/4 CU YD, RT (X00800)	ITD, 25	T, 3/4 C	U YD,	RT (X0	(008							Februs	February 2000	٥	
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	Ēx	Exhibit P-40	it P-40 Budget Item Justification Sheet	me. Instific	cation She	Jac		Date:		0000		
			106551			 }				repruary 2000		
Appropriation / Budget Activity/Serial No:	//Serial No:					P-1 Item Nomendature:	ature:					
OTHER	OTHER PROCUREMENT / 3 / Other Support Equipment	7/3/Other Suppo	nt Equipment					TRUCK, D	TRUCK, DUMP, 20T (CCE) (R03000)) (R03000)		
Program Elements for Code B Items:	ltems:			Code:	Other Related Program Elements:	ogram Elements:						
				٧								
	Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Qty	915	211		29								1193
Gross Cost	41.5	43.3	0.0	13.1	0:0	0.0	0.0	0.0	0.0	0.0		97.9
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	41.5	43.3	0.0	13.1	0.0	0:0	0.0	0.0	0.0	0.0		6.76
Initial Spares												
Total Proc Cost	41.5	43.3	0.0	13.1	0.0	0.0	0.0	0:0	0:0	0:0		97.9
Flyaway U/C												
Wpn Sys Proc U/C												
DESCRIPTION: Dump Truck model (18.5Ton, Commercial Construction Equipment), Model M917A1, is a Non-Developmental Item used to load, transport, and dump payloads of sand and gravel aggregates, crushed rock, hot paving mixes, earth, clay, rubble, and large boulders at engineering and construction sites under worldwide climatic conditions in a military environment. This truck has a heavy duty steel, 18.5Ton, 12 cubic yard truck and 14 cubic yard heaped capacity dump, in a cab controlled double action hydraulic hoist system capable of a 50 degree tilt angle, 8 inch high removable sideboards, easy wind tarpaulin system, and an air actuated tailgate lock. This 18.5Ton Dump Truck is transportable by highway, rail, marine, and air modes worldwide. This Dump Truck with the Material Control System (MCS) has an air actuated four door tailgate controlled by the operator, capable of dumping loads through any one or all four gates. The Army's Acquisition Objective is 1,076. The M917A1 Dump Truck replaces the 24-year old F5070 and the 18-year old M917 Dump Trucks on a one-for-one basis in existing engineering units.	Dump Truk nd dump pi constructio and 14 cubi n removable highway, re controlled 7A1 Dump	k model (1 ayloads of n sites und c yard hea c sideboarr iii, marine, by the ope Truck repla	18.5Ton, CC sand and g er worldwic ped capaci ds, easy will and air mo rator, capal ces the 24.	immercial in avel aggrents of climatic in the climatic in the control of the cont	Constructic egates, cru conditions n a state n, i a system, i wide. This ping loads 5070 and t	on Equipme Ished rock, in a militar, strolled dou and an air & Dump Truc through an the 18-year	ant), Model hot paving y environm y environm y environm ble action I ble action I y one or al old M917 I	M917A1, in mixes, ear lent. This thy draulic hydraulic higate lock. Material Ck li four gates	is a Non-Durth, clay, rurck has a ruck has a oist system oist system This 18.5 ontrol System is on a on its on a on	evelopmer abble, and in capable, in Dump on's Acquis in-for-one I	nodel (18.5Ton, Commercial Construction Equipment), Model M917A1, is a Non-Developmental Item used to bads of sand and gravel aggregates, crushed rock, hot paving mixes, earth, clay, rubble, and large boulders at tes under worldwide climatic conditions in a military environment. This truck has a heavy duty steel, 18.5Ton, and heaped capacity dump, in a cab controlled double action hydraulic hoist system capable of a 50 degree tilt deboards, easy wind tarpaulin system, and an air actuated tailgate lock. This 18.5Ton Dump Truck is narine, and air modes worldwide. This Dump Truck with the Material Control System (MCS) has an air actuat the operator, capable of dumping loads through any one or all four gates. The Army's Acquisition Objective is ck replaces the 24-year old F5070 and the 18-year old M917 Dump Trucks on a one-for-one basis in existing	ers at 5Ton, 12 see tilt actuated tilve is tilng

CDA Coet Analysis		OTHER PR	CUREME	OTHER PROCUREMENT / 3 / Other		TRUCK, I	TRUCK, DUMP, 20T (CCE) (R03000)	CE) (R03000)		•	:	Febru	February 2000
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Cost Elements	8	TotalCost	-	UnitCost	TotalCost	Oţ.	UnitCost	TotalCost	Q _t	UnitCost	TotalCost	Qţ	UnitCost
		\$000	Each	000\$	\$000	Each	\$000	000\$	Each	\$000	\$000	Each	\$000
1. Vehicle Truck, Dump, 18.5T, M917A1 -W/O Material Control System	∢				7824	84 6	163						
-W Material Control System 2. Federal Retail Excise Tax					3325		1/5						
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5. Testing/Production Verification Test					100								
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TOTAL					13128								

Exhibit P-5	-5a, Budget Procurement History and Planning	: History	r and Planning					Date: Febr	February 2000	
Appropriation / Budget Activity/Serial No:		Weapon System Type:	em Type:		P-1 Line Item Nomenclature:	Nomenclatu	ë			
OTHER PROCUREMENT / 3 / Other Support Equipment						TRUCK, D	TRUCK, DUMP, 20T (CCE) (R03000)	;) (R03000)		
WBS Cost Elements: Fiscal Years	Confractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost	Specs D Avail Re Now? A	Date RFP Revsn Da	RFP Issue Date
1. Vehicle FY99 M917A1 W/O MCS M917A1 W MCS M917A1 W MCS	Freightliner, Portland, Oregon Freightliner, Portland, Oregon Freightliner, Portland, Oregon		TACOM TACOM TACOM	Dec-98 Mar-99	Aug-99 Aug-99 Aug-99	84 t 4	163 175 175			
REMARKS:										

								Date:				
	Ē	hibit P-40,	Budget Ite	Exhibit P-40, Budget Item Justification Sheet	cation She	et				February 2000		
Appropriation / Budget Activity/Serial No:	/Serial No:					P-1 Item Nomendature:	ature:					
OTHER	OTHER PROCUREMENT / 3 /	/3/Other Support Equipment	t Equipment				υ	RUSHING/SCRE	CRUSHING/SCREENING PLANT, 150 TPH (M07000)	50 TPH (M07000)		
Program Elements for Code B Items:	tems:			Code:	Other Related Program Elements:	gram Elements:						
				∢								
	Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2005 To Complete Total Prog	Total Prog
Proc Qty	2			4	4		4	4	7			20
Gross Cost	4.5	0.0	0.0	8.1	7.3	0.1	7.6	7.6	4.0	0.0	0.0	39.2
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	4.5	0.0	0.0	8.1	7.3	0.1	7.6	7.6	4.0	0.0	0.0	39.2
Initial Spares												
Total Proc Cost	4.5	0.0	0.0	8.1	7.3	0.1	7.6	7.6	4.0	0.0	0:0	39.2
Flyaway U/C												
Wpn Sys Proc U/C												

required to provide a complete and operational rock crushing plant. The plant produces a minimum of 150 tons per hour of product suitable for DESCRIPTION: The Crushing, Screening, and Washing Plant (CSWP) is portable, diesel/electric driven system, consisting of a primary jaw base stone and concrete aggregate materials to be used in construction and maintenance of roads and airfields. Unlike commercial plants crusher, a secondary cone crusher, tertiary cone crusher, wash and screening unit, product conveyors, generators and other components which are for fixed quarry operation, the Army's CSWP are mobile and completely transportable over the highway.

airfields, landing strips, and parking areas. These facilities are required for combat support or combat service support operations throughout the sustain horizontal construction in any but the most developed countries of the world. Force structure changes have resulted in the consolidation of various sizes of crushing units, 75 tons per hour (TPH) and 225 TPH into the 150 TPH requirement. The existing fleet of the 75 and 225 TPH learned from our Latin American experiences have all indicated that the engineers cannot expect host nation support for aggregate materials to theater of operations. The CSWP produces the gravel and crushed rock for base and subbase horizontal construction. Studies and lessons JUSTIFICATION: FY 01 funding provides support for fielding equipment. The CSWP is a major piece of construction equipment for which there is a continuing need. Use of this equipment is essential for construction of main supply routes, logistical facilities, roads, helipads, units were all procured in the 1960's, and repair parts are unavailable. The Army's Authorization Objective stands at 25.

Cost Elements	Exhibit P-5, Weapon	Ì	Appropriation/	Budget Act.	Appropriation/ Budget Activity/Serial No:		P-1 Line Ite	P-1 Line Item Nomenclature:	ire:		Weapon System Type:		Date:	
D	Cost		OTHER PRO	CUREMEN	IT / 3 / Other		CRUSHIN	G/SCREENING	S PLANT, 150				Febru	February 2000
TotalCost		₽	dne	FY 98			FY 99	DO/UMD/DO	()	FY 00			FY 01	
\$000 Each \$000 \$000		8	TotalCost	3 €	UnitCost		ð	UnitCost	TotalCost	ģ	UnitCost	TotalCost	Qfy	UnitCost
A 7356 4 1839 320 320 320 4 1839 4 1839 4 1839 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		П	\$000	Each	\$000	\$000	1	\$000	\$000	Eac	\$000	000\$	Each	\$000
7010		≺				7356 393 320 320		1839	5682 366 370 824	င	1894	8		
	TOTAL					8127			7328			89		

								Date:		
Exhibit P-5a	P-5a, Budget Procurement History and Planning	History	and Planning					Fet	February 2000	٥
Appropriation / Budget Activity/Serial No:		Weapon System Type:	em Type:		P-1 Line Item Nomenclature:	Nomenclat	ture:			
OTHER PROCUREMENT / 3 / Other Support Equipment					CRUS	HING/SCRE	CRUSHING/SCREENING PLANT, 150 TPH (M07000)	, 150 TPI	(M07000	<u> </u>
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	ΩTY	Unit Cost	Specs Avail	Date RF Revsn	RFP Issue Date
Fiscal Years		and Type			Delivery	Each	\$000	Now?	Avail	
2	Cedarapids, Inc Cedarapids, Iowa Cedar Rapids, Iowa	CFP REQ 5(4) CFP REQ 5(5)	TACOM	Jan-99 Apr-99 Jan-00 Apr-00	Apr-99 Apr-00	4 κ	1839	, Yes		
REMARKS: FY 00 unit price increase based on inflation and yearly production cost increases.	n inflation and yearly production o	cost increa	· ses							

FY 00 / 01 BUDGET PRODUCTIO	COC	S NOI	SCHE	N SCHEDULE	111		<u>:</u>	P-1 Item Nomenclature; CRUSHING/SCRI	Nome SRUSI	Nomenclature: CRUSHING/SCREENING PLANT, 150 TPH (M07000)	ure: SCREI	Ĕ	3 P.LA	Ä,	50 TP) E	7000	_			Date:			ŭ	February 2000	y 200	8		
	\vdash			PROC	ACCEP.	BAL	Ļ			Ë	Fiscal Year 99	Year	66.		1		L		l	1	FISC	Fiscal Year 00	ear	8				F	L
	Σ		တ	Ā	PRIOR				Н			ပ	Calendar Year 99	dar	Year	66	l		П	:		Sa	'n	ř.	Calendar Year 00	g	Н	П	<
COST ELEMENTS	uα	7	шк>	Each	T0 1 OCT	AS OF 1 OCT	00-	z 0 >	о ш о	¬ < Z	∑ ∢ Ľ	< □ ¤	∑ ∢ ≻	っっz	7 7 0	Α⊃О ОШЧ	00+	z 0 >	O m O	¬ ∢ z	тпю	≥ ∢ α	4 L L	∑ ∢ ≻	っつヱ	ר ני י	∀⊃ 0	ошσ	⊢шα
1. Hardware			А	4	0	4			Ť	٧		4-			F	Н	-			1			П		Н	Н	Н		
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1 Cedarapids, Inc Cedar Rapids, IA	+	-			2	9	1	Ť	REORDER	H.	4	1	ı	†	Ï	e	4	က	I		g	T							
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								Date:				
	Exhil	hibit P-40,	Budget It	em Justifi	bit P-40, Budget Item Justification Sheet	et		:		February 2000		
Appropriation / Budget Activity/Serial No:	/Serial No:					P-1 Item Nomendature:	ature:					
ОТНЕК	OTHER PROCUREMENT / 3	/3/Other Support Equipment	t Equipment					CONST	CONST EQUIP SLEP (M05500)	(02500)		
Program Elements for Code B Items:	3 Items:			Code:	Other Related Program Elements:	gram Elements:						
	Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Qty												
Gross Cost	0.0	0:0	0:0	0.0	0.0	2.0	5.0	6.3	9.9	9.6	0.0	33.1
Less PY Adv Proc								·				
Plus CY Adv Proc												
Net Proc (P-1)	0.0	0.0	0.0	0.0	0.0	2.0	5.0	6.3	9.6	6.6	0:0	33.1
Initial Spares												
Total Proc Cost	0.0	0.0	0.0	0.0	0.0	2.0	5.0	6.3	9.9	9.6	0.0	33.1
Flyaway U/C												
Wpn Sys Proc U/C												

System (ROPS). Blade controls, steering, wheel lean and articulation are hydraulically assisted. Vehicle is used for grading roads, airfields, Grader Heavy - Vehicle is diesel engine driven, with articulated frame steering and enclosed cab with Roll Over Protection

and runways prior to applying surface materials

Scraper, Heavy, 14 - 18 CY - Vehicle is diesel engine driven, single lever shift control transmission, with a rated load of 48,000 lbs, a capacity of spreading of earthen materials) in the construction of roads and airfields. Also used by Engineering Battalion Combat Heavy Companies for 14-18 cubic yards, and hydraulically controlled. Vehicle is used by conventional support units for earthmoving operations (hauling and earthmoving operations such as rapid airfield and road repair and rapid excavation of anti-tank ditches.

Tractor, T-9 Dozer (D7F & D7G) - The dozer is a full tracked, low speed, medium draw bar pull with bulldozer, and ripper or winch. Vehicle is used for construction and maintenance emplacements, roads, and airfields. The dozer is used by combat construction, supply, and service units, Table of Distribution and Allowances(TDA's), depots, and ports.

airdroppable, and/or helicopter transportable depending on configuration. Vehicle is used for construction and maintenance emplacements, Tractor, T-5 Dozer (D5B) - This dozer is a full size bulldozer that comes in sectionalized and non-sectionalized versions. It is airmobile, roads, and airfields.

hydraulically-operated scoop bucket is attached to the front of the loader by means of a push frame and lift arms. Loaders are usually equipped construction tasks. The loader is a diesel-engine driven, four-wheel-drive machine with rear axle oscillation and articulated frame steering. The Loader, Scoop Type, DD 4 WHL, 2 1/2 CU YD - The scoop loader is a versatile item of equipment for performing horizontal and vertical with one piece general purpose bucket, a rock bucket or a multipurpose (hinged jaw) bucket. 2 1/2 cubic yard scoop loaders for

			Date	
Exhibit P-40C Budget Item Justification Sheet	em Justif	fication Sheel		February 2000
Appropriation / Budget Activity/Serial No.		P-1	P-1 Item Nomenclature	
OTHER PROCUREMENT / 3 / Other Support Equipment			CONST EQUIP SLEP (M05500)	200)
Program Elements for Code B Items	Code	Code Other Related Program Elements	Elements	

transmission, hydraulics, etc. During rebuild, technology insertions will be added to the vehicle. The cost to extend the service life of each of these systems is approximately 25-33% the cost of a new vehicle; the rebuilt product will have approximately the same amount of service life as a new vehicle, thus enabling the Army to save money. systems have been, or will be exceeded in the FY 86-04 time frame (grader-FY 03, scraper-FY 04, D7 dozer FY 86-04, D5 dozer-FY 97). The service life of these vehicles will be extended another 10 years by rebuilding the entire vehicle to include major components such as the engine, JUSTIFICATION: FY 01 funds initiate the construction equipment service life extension program. The service life of each of these vehicle

Exhibit P-5, Weapon OPA Cost Analysis		Appropriation/ OTHER PR(Budget Ac OCUREMER	Appropriation/ Budget Activity/Serial No: OTHER PROCUREMENT / 3 / Other		P-1 Line II CONS	P-1 Line Item Nomenclature: CONST EQUIP SLEP (M05500)	ure: (M05500)		Weapon System Type:		Date: Febru	e February 2000
	₽	inc	Support Equipment	THEIL		Ε <u>Υ</u>			EY 00			FY 01	
Cost Elements	_	TotalCost	_	UnitCost	TotalCost	Α̈́δ	UnitCost	TotalCost	δ	UnitCost	TotalCost	ð	UnitCost
		\$000	_	\$000	\$000	Each	\$000	\$000	Each	\$000	000\$	Each	\$000
1. Hardware 2. Engineering Support 3. Program Management Support											1986 1986		120

Exhibit P-5	Exhibit P-5a, Budget Procurement History and Planning	History	and Planning					Date: Feb	February 2000	8
Appropriation / Budget Activity/Serial No:		Weapon System Type:	em Type:		P-1 Line Item Nomenclature:	Nomenclatu	re:			
OTHER PROCUREMENT / 3 / Other Support Equipment						CONS	CONST EQUIP SLEP (M05500)	(M05500)		
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	OTY fact	Unit Cost	Specs Day	Date Ri Revsn Avail	RFP Issue Date
1. Hardware FY 01	CATERPILLAR PEORIA,	REQ 5 (1)	TACOM	Jan-01 Apr-01	Apr-01	4	120	120 YES	-	Jan 00
REMARKS:										

								Date:				
		Exhibit P-4	0, Budget It	Exhibit P-40, Budget Item Justification Sheet	ation Sheet					February 2000		
Appropriation / Budget Activity/Serial No:	I No:	:				P-1 Item Nomendature:	re:		!			
-TIO	OTHER PROCUREMENT / 3 / Other Support Equipment	13/Other Support E	quipment					ITEMS LESS TH	ITEMS LESS THAN \$5.0M (CONST EQUIP) (ML5350)	QUIP) (ML5350)		
Program Elements for Code B Items:	Š:			Code:	Other Related Program Elements:	am Elements:						
9	604804A			80								
	Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Qty												
Gross Cost	87.4	2.0	1.5	2.0	6.2	2.6	18.8	15.6	11.4	11.4	0:0	159.0
less PY Adv Proc						:						
Phis CY Adv Proc												Ī
Net Proc (P-1)	87.4	2.0	1.5	2.0	6.2	2.6	18.7	15.6	11.4	11.4	0.0	158.9
Initial Spares												
Total Proc Cost	87.4	2.0	1.5	2.0	6.2	2.6	18.7	15.6	11.4	11.4	0.0	158.9
Flyaway U/C				,								
Wpn Sys Proc U/C												

DESCRIPTION: This program covers various types of Construction Equipment (CE) where the total acquisition cost for each line item is below \$5,000,000 (total expended program per year).

Water Distributor - Provides for water distribution on construction sites in airborne units.

Code B data; D604804A, DH01 RDTE; Performance Specification Date May 98; DTE/IOTE/OTE/TDP are all N/A as item is nondevelopmental; TC Generic (TC standard scheduled for Jul 99; replaces model 5R549; no test results available as acquisition supported by market survey, no testing to date). Ultimate Building Machine Equipment - Self contained trailer mounted unit. Panel forming and curving machinery powered by diesel engine. Capble of producing metal buildings on site as small as 12 feet wide by 6 feet height to as large as 80 feet wide by 40 feet height. All Commercial Off The Shelf (COTS) and Non-development Item (NDI) equipment.

Construction equipment supports tactical wheeled vehicles and combat equipment in the forward deployment zone by constructing maintenance and storage facilities JUSTIFICATION: FY 01 procures equipment required for combat engineering units to build and maintain roads and facilities to support the tactical mission. and roads. This equipment is critical towards insuring combat readiness and fleet mobilization of U.S. Armed Forces.

bit P-5,	Α,	Appropriation/ Budget Activity/Serial No:	get Activity/	Serial No:		P-1 Line Item	P-1 Line Item Nomenclature:	(all for the control		Weapon System Type:	Туре:	Date: Fehr	February 2000
OPA Cost Analysis	_	מיטאר אפרוט	Equipment	noddne seino /		II EINIS LES	(ML5350)	(0 10 10					
	₽		FY 98			FY99			FY 00			FY 01	
Cost Elements	8	TotalCost	ģ	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Óβ	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	\$000	000\$	Each	\$000	\$000	Each	\$000	000\$	Each	\$000
1. All Terrain Crane 2. Water Distributor a. ECO b. Documentation c. Testing - ATC First Article Test d. Engineering In-House 3. Program Management Support 4. System Fielding Support 5. Ultimate Building Machine Equipment	₹ Φ				1932	23	48	910 72 129 131 80 270 2631 2000	8	130	520 100 81 50 270 1614	4	130
NOTE: System Fielding Funds are for all construction equipment.													
TOTAL				-	2020			6223			2635		

Exhibit F	Exhibit P-5a, Budget Procurement History and Planning	History an	d Planning					Date:	February 2000	
Appropriation / Budget Activity/Serial No:		Weapon System Type:	п Туре:		2-1 Line Item	P-1 Line Item Nomenclature:				
OTHER PROCUREMENT / 3 / Other Support Equipment						EMS LESS TH	ITEMS LESS THAN \$5.0M (CONST EQUIP) (ML5350)	T EQUIP) (I		
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date Date of First	Date of First	αII	Unit Cost			RFP Issue Date
Fiscal Years		and Type			Delivery	Each	\$000	Now?	Avail	
1. Hardware Water Distributor M031 FY 00	TBS	C/FP	TACOM	Jun-00 May-01	May-01		130	YES		Mar 00
FY 01	TBS		ТАСОМ	Dec-00 Aug-01	Aug-01	4	130			<u></u>
		KEG 9(2)			·					•

REMARKS:										
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								Date:				
	Exhit	ibit P-40,	bit P-40, Budget Item Justification Sheet	em Justif	ication Sh	eet		į		February 2000		
Appropriation / Budget Activity/Serial No:	ial No:					P-1 Item Nomendature:	dature:					
OTHER P	OTHER PROCUREMENT / 3 / C	/ Other Support Equipment	Equipment					-	TUG, SMALL (M44500)	1200}		
Program Elements for Code B Items:	ns:			Code:	Other Related Program Elements:	ogram Elements:						
	Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Qty	-	3	2	3								6
Gross Cost	3.8	9.7	6.2	8.5	8.9	0.0	0.0	0:0	0.0	0.0	0.0	35.0
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	3.8	9.7	6.2	8.5	8.9	0.0	0.0	0.0	0.0	0.0	0:0	35.0
Initial Spares												
Total Proc Cost	3.8	7.6	6.2	8.5	8.9	0.0	0.0	0.0	0.0	0.0	0.0	35.0
Flyaway U/C												
Wpn Sys Proc U/C												
The Control The Control	T flows of		oto o oto	Prop line	mixoraco	atoly 60 fo	ot in landth	om o with	vimim dra	ft of 8 foot	000 class is a stack hill areas americally 80 feet in leadth with a maximum draft of 8 feet when fully loaded	paper

engine driven (DED) generators. The mission of the tug is to provide towing of general cargo barges in harbors, inland waterways, and along coastlines. It will also assist larger tugs in the performance of heavier utility work such as: docking and undocking ships of all sizes, movement of floating cranes, floating machine shops, and line handling duties. Current program is for nine tugs with a total Army requirement of fifteen (15) DESCRIPTION: The Small Tug, 900 class is a steel hull craft approximately 60 feet in length with a maximum draft of 8 feet when fully loaded and is capable of operating in Sea State 3. It has a capability of reaching a minimum of 8 knots sustained speed when fully loaded, no tow, in Sea State 2. It has twin propulsors with twin diesel inboard drive, pilothouse control, five berths, dinette with seating for four and two diesel

Exhibit P-5, Weapon OPA Cost Analysis		Appropriation/ Budget Activity/Serial N OTHER PROCUREMENT / 3 / Other	Budget Ac	Appropriation/ Budget Activity/Serial No: OTHER PROCUREMENT / 3 / Other	<u></u>	P-1 Line II T	P-1 Line Item Nomenclature: TUG, SMALL (M44500)	ure: 44500)		Weapon System Type:		Date: Februs	: February 2000
	₽	dne	EY 98			FY 99			FY 00			FY 01	
Cost Elements	8	TotalCost	ð	UnitCost	TotalCost		UnitCost	TotalCost			TotalCost	ш	UnitCost
		000\$	Each	000\$	\$000	Each		\$000	Each	\$000	000\$	Each	000\$
1. Hardware 2. Auxiliary Equipment 3. Engineering Change Order/Proposal 4. Technical Manuals 5. Testing (Acceptance/Engineering Chg)(ATC) 6. Engineering Support - In-House 7. Program Management Support 8. System Fielding Support 9. Claim	∢				7236 472 215 8 8 354 85	n	2412	7455 169 15 25 219 901 100	n	2485			
TOTAL					8476			8909					

	64.0 #:4:40 64.0 #:4:40	10-59 Budget Drocurement History and Blanning	Id buc yout	puina					Date:	February 2000	
	Annual India Challade Andiada (Carlada Nasa		Weanon System Type:			D. 1 Inc Item Nomenclature	amenciature		-	ordary &	3
OTHER PROC	ppropriation / budget Activity/Serial No.: OTHER PROCUREMENT / 3 / Other Support Equipment	-		į	-		TUC	TUG, SMALL (M44500)	200)		
WBS Cost Elements:	ints:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	ατγ	Unit Cost	Specs Avail	Date F Revsn	RFP Issue Date
Fiscal Years			and Type			Delivery	Each	\$000	Now?	Avail	
1. Hardware											
FY 99		Orange Shipbuilding, Orange, TX Orange Shipbuilding, Orange, TX	Option	TACOM	Feb-99 Apr-99	Apr-00 Aug-00	- 2	2404	YES		
FY 00		Orange Shipbuilding, Orange, TX		TACOM	Apr-00	Jul-01	က	2485			
REMARKS:	These are options to original fixed price contract awarded Apr 96.		in FY99 reflects	Spilt award in FY99 reflects late receipt of Congressional Plus-up funds for 2nd and 3rd tug.	ongressional	Plus-up func	is for 2nd	and 3rd tug			

						-	-1 Iter	P-1 Item Nomenclature:	Jenc!	ature:									۴	Date:					l		l
FY 00 / 01 BUDGET PRODUCTION	E C T	7	SCHEDULE	OLE						1	UG, SI	TUG, SMALL (M44500)	M445	<u>8</u>									Febr	February 2000	000		
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	Σ			_		DUE						Calendar Year 99	dar	Year	66.			Г		O	Calendar Year 00	dar	Yea	r 00			∢
COST ELEMENTS	шœ	£	ш « >	Each 1	1 OCT	AS OF 0	Z O >	<u>о</u> ш о	¬ ∢ Z	и 1 1 8	M A Ω A P A	∑ ∢ ≻	¬⊃Z	ר מ ז	A ⊃ @ ⊗ ⊞ σ	00+	z 0 >	ошО	~ < z	F B A ⊠	4 G C	≥∢≻	7 D Z	ر ا	A⊃۵	αшσ	⊢ш∝
1. Hardware	<u>Г</u>	Y98	۱	2	0	2					_			Н	1 1				H	Н							
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Exhibit P-40	get Item Justification Shee
	Budget

								Date:				
		Exhibit P-40, Budget	0, Budget It	Item Justification Sheet	ation Sheet					February 2000		
Appropriation / Budget Activity/Serial No:	ial No:	,				P-1 Item Nomendature:	re:					
О	OTHER PROCUREMENT / 3 / Other Support Equipment	/3/Other Support E	Equipment					FLOATING	FLOATING CRANE, 100-250 TON (M32400)	N (M32400)		
Program Elements for Code B Items:	ns:			Code:	Other Related Program Elements:	am Elements:						
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	Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Qty		1	1	-								3
Gross Cost	0.0	13.9	13.5	15.2	0.0	0:0	0.0	0.0	0.0	0.0	0.0	42.6
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	0.0	13.9	13.6	15.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.7
Initial Spares												
Total Proc Cost	0.0	13.9	13.6	15.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.7
Flyaway U/C												
Wpn Sys Proc U/C												

DESCRIPTION: The Floating Crane is capable of off-loading existing and projected shipping through the year 2020. The crane is transportable on Float On/Float Off(FLO/FLO) ships, has living accommodations (berthing, cooking, and sanitation) for 15 persons; and has heating, ventilation, and air conditioning. The crane operates on diesel and/or Jet Propellant - 8 (JP-8) fuel for 30 days without refueling. It is operational during night operations and while soldiers are dressed in Mission Oriented Protective Posture IV (MOPP IV) clothing.

Exhibit P-5, Weapon OPA Cost Analysis	Q -	Appropriation/ Budget Activity/Serial No: OTHER PROCUREMENT / 3 / Other Sup	dget Activity/ REMENT / 3	Serial No: / Other Support		P-1 Line Item FLOATING	P-1 Line Item Nomenclature: FLOATING CRANE, 100-250 TON (M32400)	TON (M32400)		Weapon System Type:	уре:	Date: Febr	February 2000
			Equipment	Equipment		EV 00			EV 00			EV 04	
Cost Elements	. B	TotalCost	ਰੇ ਰੇ	UnitCost	TotalCost	ĝ	UnitCost	TotalCost	ð	UnitCost	TotalCost	Ąö	UnitCost
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1. Hardware 2. Engineering Change Order/Proposal 3. Documentation 4. Builder's Trial Test & Fielding 5. Engineering Support - In House 6. Program Management Support	۷				13916 657 153 129 200 161	-	13916						
TOTAL					15216								

Exhibi	Exhibit P-5a, Budget Procurement History and Planning	t History ar	nd Planning					Ti	February 2000	8
Appropriation / Budget Activity/Serial No:		Weapon System Type:	ype:		P-1 Line Item Nomenclature:	Vomenclature				
OTHER PROCUREMENT / 3 / Other Support Equipment						FLOATING	FLOATING CRANE, 100-250 TON (M32400)	TON (M32		
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	οπγ	Unit Cost	Specs Avail		RFP Issue Date
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1. Hardware FY 99	Bollinger Shipyard, Lockport, LA	Option	TACOM	Mar-99	Jan-01	4	13916	Yes		
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REMARKS:										

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Exhibit P-40,	Justification Sheet
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		Exhibit P-40, Budget		tem Justification Sheet	tion Sheet					February 2000		
Appropriation / Budget Activity/Serial No:	No:					P-1 Item Nomenclature:	ıre:					
-to	OTHER PROCUREMENT / 3 / Other Support Equipment	/3/Other Support E	quipment					LOGISTIC SU	LOGISTIC SUPPORT VESSEL (LSV) (M11200)	V) (M11200)		
Program Elements for Code B Items:	12			Code:	Other Related Program Elements:	am Elements:						
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	Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Qtv	4						1	1				9
Gross Cost	75.6	0.0	0.0	0.0	18.8	0.0	21.2	29.0	0.0	0.0	0.0	144.6
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	75.6	0.0	0.0	0.0	18.8	0.0	21.2	29.0	0.0	0.0	0.0	144.6
Initial Spares												
Total Proc Cost	75.6	0.0	0.0	0:0	18.8	0:0	21.2	29.0	0.0	0:0	0.0	144.6
Flyaway U/C												
Wpp Svs Proc U/C												

DESCRIPTION: The Logistic Support Vessel (LSV) provides worldwide overseas transport of combat vehicles and sustainment cargo. It is ideally suited for intratheatre includes offload to degraded ports and unimproved beaches. The LSV can handle all wheeled and tracked vehicles including up to 24 M1 Main Battle Tanks and has a container carrying capacity of up to 50 double-stacked 20' International Standards Organization (ISO) containers. Features include extended bow offload ramp, full bow thruster for beaching & extraction, and world-wide self-deployability. line haul of large quantities of cargo and equipment, and as a result of its shallow draft configuration can perform supply missions to remote underdeveloped coastlines and inland waterways. It is also highly effective for the discharge of Navy/Contract Roll-on/Roll-off Vessels and all Logistics-Over-The-Shore (LOTS) missions. This

OPA Cost Analysis		OTHER PRO	CUREMEN	Appropriation bodge, Activity/Serial No. OTHER PROCUREMENT / 3 / Other		LOGISTI	P-1 Line Item Nomenciature: LOGISTIC SUPPORT VESSEL (LSV)	ITE: ESSEL (LSV)		weapon System Type:		Date: Februs	r. February 2000
		Sup	port Equipr	nent			(M11200)						
	Ω		FY 98			FY 99			FY 00			FY 01	
Cost Elements	CD	TotalCost		UnitCost	TotalCost	Qfy	UnitCost	TotalCost	Qfy	UnitCost	TotalCost	Qty	UnitCost
		000\$	Each	000\$	000\$	Each	\$000	000\$	Each	\$000	\$000	Each	\$000
1. Hardware 2. Engineering Change Order / Proposal 3. Documentation 4. Testing (Operational & Accept.) (ATC) 5. Engineering Support - Navy 6. Program Management Support	<							16500 723 731 209 485 196		16500			
TOTAL								18844					

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Date:		SEL (LS	Specs Avail	Yes	
	 	LOGISTIC SUPPORT VESSEL (LSV) (M11200)	Unit Cost	8	
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	P-1 Line Item Nomenclature:		Date of First	Feb-02	
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ry and Planning	em Type:		Location of PCO	TACOM	
nt Histo	Weapon System Type:		Contract	C/FP	
Exhibit P-5a, Budget Procurement History and Planning			Contractor and Location	TBS	
	Appropriation / Budget Activity/Serial No:	OTHER PROCUREMENT / 3 / Other Support Equipment	WBS Cost Elements:	nscal rears 1. Hardware - FY00	REMARKS:

FY 00 / 01 BUDGET PRODUCTI	ž	STIONS	SC HE	ON SCHEDULE	ш		<u>. </u>	<u>=</u>	Š	P-1 Item Nomenclature: LOGISTIC SUPPORT VESSEL (LSV) (M11200)	lature TIC S	E PPC	ZT.	ESSE	ST) T	≥	11200	_			Da	Date:			February 2000	ary 2	8		
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COST ELEMENTS

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FY00

February 2000

LOGISTIC SUPPORT VESSEL (LSV) (M11200)

Fiscal Year 02

5-1 Item Nomenclature:

FY 00 / 01 BUDGET PRODUCTION SCHEDULE

								Date:				
		Exhibit P-40, Budget		em Justifica	Item Justification Sheet					February 2000		
Appropriation / Budget Activity/Serial No:	al No:					P-1 Item Nomenclature:	.e.					
ф	HER PROCUREMEN	OTHER PROCUREMENT / 3 / Other Support Equipment	Equipment					LOGISTICS SU	LOGISTICS SUPPORT VESSEL (ESP) (M11201)	SP) (M11201)		
Program Elements for Code B Items:	.s:			Code:	Other Related Program Elements:	am Elements:						
				∢								
	Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Qty						1	1	2				4
Gross Cost	0.0	0:0	0.0	0.0	0.0	9.9	5.9	13.0	0.0	0.0	0.0	25.5
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	0:0	0.0	0:0	0.0	0.0	9.9	5.9	13.0	0.0	0.0	0.0	25.5
Initial Spares												
Total Proc Cost	0.0	0.0	0:0	0.0	0.0	9.9	5.9	13.0	0:0	0.0	0.0	25.5
Flyaway U/C												
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intratheatre line haul of large quantities of cargo and equipment, and as a result of its shallow draft configuration can perform supply missions to remote underdeveloped missions. This includes offload to degraded ports and unimproved beaches. The LSV can handle all wheeled and tracked vehicles including up to 24 M1 Main Battle Tanks and has a container carrying capacity of up to 50 double-stacked 20' International Standards Organization (ISO) containers. Features include extended bow coastlines and inland waterways. It is also highly effective for the discharge of Navy/Contract Roll-0n/Roll-off Vessels and all Logistics-Over-The-Shore (LOTS) DESCRIPTION: The Logistics Support Vessel (LSV) provides worldwide overseas transport of combat vehicles and sustainment cargo. It is ideally suited for offload ramp, full bow thruster for beaching & extraction, and world-wide self-deployability.

JUSTIFICATION: FY 01 funds one LSV ESP. The existing Army Fleet consists of 6 vessels. These vessels have now reached half of their expected Economic Useful Life (EUL). The LSVs must undergo an Extended Service Program (ESP) to enable them to achieve the full EUL. Planned modifications include power train, piping & plumbing, electrical, command and safety system upgrades. An effort will be made to achieve sub-system commonality with new LSVs now being procured. The current program covers four of the six vessel fleet.

Exhibit P-5, Weapon OPA Cost Analysis		Appropriation/ Budget Activity/Serial No: OTHER PROCUREMENT / 3 / Other Sup	udget Activity	Appropriation/ Budget Activity/Serial No: OTHER PROCUREMENT / 3 / Other Support		P-1 Line Iter LOGISTI	P-1 Line Item Nomenclature: LOGISTICS SUPPORT VESSEL (ESP)	ESSEL (ESP)	Š	Weapon System Type:		Date: Febru	February 2000
			Equipment			الا الا	(M11201)	EV	EV 00			FY 63	
Cost Elements	<u> 8</u>	TotalCost	Ofy Ofy	UnitCost	TotalCost	Ofy	UnitCost	TotalCost Qty	L	UnitCost	TotalCost	ð	UnitCost
		\$000	Each	\$000	\$000	Each	\$000	₩	H	H	\$000	Each	\$000
1. Hardware & Installation 2. Documentation 3. Testing Support (Contractor / ATC) 4. Engineering Support (Navy) 5. Program Management Support 6. System Fielding Support	4										5061 197 295 287 502 502	_	5061
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Exhibit F	Exhibit P-5a, Budget Procurement History and Planning	History ar	nd Planning					Date: Fe	February 2000	·
Appropriation / Budget Activity/Serial No:		Weapon System Type:	m Type:		P-1 Line Item Nomenclature:	lomenclature:				
OTHER PROCUREMENT / 3 / Other Support Equipment						LOGISTICS	LOGISTICS SUPPORT VESSEL (ESP) (M11201)	. (ESP) (M1	1201)	
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	αTY	Unit Cost	Specs Avail	Date Revsn	RFP Issue Date
Fiscal Years		and Type			Delivery	Each	\$000			
1. Hardware FY 01	TBS	C/FP	ТАСОМ	Mar-01	Мау-02		5061	Yes		Aug 00
REMARKS:										

FY 00 / 01 BUDGET PRODUCTION SCHEDULE	UCTION S	뿡	DULE			<u>-</u>	P-1 Item Nomenclature: LOGIST	menc	ciature: LOGISTICS SUPPORT VESSEL (ESP) (M11201)	ics su	PPORT	· VESS	EL (ES	P) (M1	1201)				Date:	<u>:</u>			Febr	February 2000	8		
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		Exhibit P-40, Budget	0, Budget It	em Justific	Item Justification Sheet					February 2000		
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Program Elements for Code B Items:	S:			Code:	Other Related Program Elements:	am Elements:						
90	0604804A			63								
	Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Qty				8								3
Gross Cost	0.0	0.0	0.0	5.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.2
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	0.0	0.0	0.0	5.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.2
Initial Spares												
Total Proc Cost	0.0	0.0	0.0	5.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.2
Fiyaway U/C												
Who Sve Proc 11/C												

communications/electronic repair shop. A single two-side-expandable shelter will be the administrative/communication office. Three ISO containers will be used to hold shelters and containers. The rapidly deployable, lightweight containerized system will supplant the existing Floating Machine Shop (FMS). The system consists of four DESCRIPTION: The Containerized Maintenance Facility (CMF) will be repair facilities housed in rigid wall, expandable International Standards Organization (ISO) shops in one-side-expandable shelters; a machine/welding shop; an air conditioning/hydraulic shop; an engine/component rebuild shop; and a support equipment and spare parts. Code B Data: The Containerized Maintenance Facility is intended to replace the Floating Machine Shop and supporting Barge, Cargo, Deck Enclosure on a one for one basis. Delivery of first unit is scheduled for June 2000, with Operational Test and Evaluation (OTE) scheduled for Aug 2000. The CMF was also supported with Research & Development funds from Program Element (PE) 0604804A, Project D461 in addition to Procurement Funding support. The system is currently undergoing technical review by the engineering and user communities to determine suitability from requirements, safety, and reliability perspectives.

OPA COST Analysis		OTHER PROCUREMENT / 3 / Other Support	REMENT / 3	/ Other Support		CONTAINE	CONTAINERIZED MAINTENANCE FACILITY MA442001	ANCE FACILITY		weapon oystem type.		Febr	February 2000
	Q		FY 98			FY 99	(DOC) I IVI)		FY 00			FY 01	
Cost Elements	8	TotalCost	Š	UnitCost	TotalCost	ð	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qfy	UnitCost
	Ц	\$000	Each	\$000	\$000	Each	\$000	000\$	Each	\$000	\$000	Each	\$000
1. Hardware 2. Engineering Change Order/Proposal 3. Documentation 4. Testing Support (Operational test) (ATC) 5. Engineering Support - In-House 6. Program Management Support 7. System Fielding Support	Δ				3003 532 110 511 210 379 485	n							
TOTAL					5230								

	Exhibit P	Exhibit P-5a, Budget Procurement History and Planning	listory ar	nd Planning					ű.	February 2000	
Appropriation / Bu	Appropriation / Budget Activity/Serial No:		Weapon System Type:	т Туре:		2-1 Line Item	P-1 Line Item Nomenclature:				
OTHERP	OTHER PROCUREMENT / 3 / Other Support Equipment					ŏ	ONTAINERIZE	CONTAINERIZED MAINTENANCE FACILITY (M11300)	FACILITY	(M11300)	
WBS Cost Elements:	nts:	Contractor and Location	Contract Method	Location of PCO	Award Date Date of First	Date of First	ΔĐ	Unit Cost	Specs Avail	_	RFP Issue Date
Fiscal Years			and Type			Delivery	Each	\$000	Now?	Avail	
1. Hardware FY 99		IOC, Rock Island, IL	MIPR	ТАСОМ	96-unr	Jun-00	ю	1001	Yes		
										·	
REMARKS:	System maturity levels allow us to shorten the planned R&D phase. All units will be production units, with no (or little) required retrofit of 1st unit.	shorten the planned R&D phase	. All units	will be production units, v	with no (o	r little) rec	quired retr	ofit of 1st ur	nit.		

Item No. 166 Page 3 of 3

								Date:				
	Exhi	hibit P-40,	Budget It	em Justifi	bit P-40, Budget Item Justification Sheet	et				February 2000		-
Appropriation / Budget Activity/Serial No:	//Serial No:					P-1 Item Nomenclature:	ature:					
ОТНЕ	OTHER PROCUREMENT / 3 /	/3/Other Support Equipment	rt Equipment					CAUSE	CAUSEWAY SYSTEMS (R97500)	(97500)		
Program Elements for Code B Items:	ltems:			Code:	Other Related Program Elements:	gram Elements:						
				∢								
	Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2005 To Complete Total Prog	Total Prog
Proc Oty												
Gross Cost	77.4	0.0	0.0	16.9	16.7	17.2	12.6	12.8	14.0	13.9	0.0	181.5
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	77.4	0.0	0.0	16.9	16.7	17.2	12.6	12.8	14.0	13.9	0:0	181.5
Initial Spares												
Total Proc Cost	77.4	0.0	0.0	16.9	16.7	17.2	12.6	12.8	14.0	13.9	0:0	181.5
Flyaway U/C												
Wpn Sys Proc U/C												

sections are composed of modular, International Standards Organization (ISO) compatible modules. Each section is capable of transporting up Facility (RRDF). The components provide a means to move cargo across unimproved beaches in areas of the world where fixed port facilities to 100 short tons with 12 inches of freeboard and is fitted with the Navy designed flexor and shear connector system. The three systems are stand alone; however, they are constructed from the same basic building blocks. They are interoperable, but not interdependent. DESCRIPTION: The Causeway Systems include the Floating Causeway (FC), the Causeway Ferry (CF), and the Roll On/Roll Off Discharge are unavailable, denied, or otherwise unacceptable. They are composed of sections that are normally 80 feet by 24 feet by 4.5 feet. The

Floating Causeway is capable of handling the discharge from multiple Lighters simultaneously, dramatically increasing theatre logistics throughput. This system is pivotal to meeting Army Strategic Mobility Program (ASMP) throughput objectives. The Ferry is utilized to transport bridge for the discharge of cargo from Army Lighters (Floating Causeways/LCUs/LSVs/LCM-8) directly to the beach logistics operations. The JUSTIFICATION: In FY01, the funding procures one Floating Causeway and one Causeway Ferry. This causeway system provides a dry limited cargo from the ship to the shore.

bit P-5,		Appropriation/	Budget Ac	Appropriation/ Budget Activity/Serial No:		P-1 Line It	P-1 Line Item Nomenclature:	ure:		Weapon System Type:		Date: Fahruary 2000	r: Fahruary 2000
OPA Cost Analysis		Sup	Support Equipment	ment		7000		(ממס ופצו) כו					an) 2000
	Ω		FY 98			FY 99			FY 00			FY 01	
Cost Elements	S	TotalCost	άþ	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	000\$	\$000	Each	000\$	000\$	Each	000\$	000\$	Each	\$000
1. Hardware RRDF Causeway Ferry Floating Causeway Causeway Subsystem Set Causeway Subsystem Set Causeway Subsystem Set Causeway Subsystem Set Causeway Subsystem Set Subournentation Testing Support(Operational Subournentation Contractor Thuse Contractor Thuse Contractor Thuse Contractor Thuse Contractor Thuse Contractor Thuse Contractor Thuse Contractor Thuse Contractor Thuse Contractor Thuse Contractor Thuse Contractor Thuse Contractor Thuse Contractor Thuse Contractor Thuse Contractor Thuse Contractor Thuse Contractor Thuse Contractor Contractor Thuse Contractor Contractor Thuse Contractor Contractor Thuse Contractor	<				7174 147 274 2545 100 335 802 802 802 802 320	N	3587	11181 2624 217 379 660 60 100 448 384 441	~ ~	11181 2624	2642 13029 120 225 80 853 553 272		13029
TOTAL					16856			16669			17227		

Exhibit P-5a. Bu	P-5a, Budget Procureme	ent Histo	dget Procurement History and Planning					Date:	February 2000	000
Appropriation / Budget Activity/Serial No:		Weapon System Type:	lem Type:		P-1 Line Item Nomenclature:	menclature:				
OTHER PROCUREMENT / 3 / Other Support Equipment						CAUS	CAUSEWAY SYSTEMS (R97500)	4S (R97500		
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	ΩTY	Unit Cost			RFP Issue Date
Fiscal Years		and Type			Delivery	Each	\$000	Now?	Avail	
Hardware Fygg Subsystem Set - Floating Causeway	DOT Volpe, Cambridge, MA	C/FP	TACOM	May-99	Nov-99	2	3587	YES		
FY 00 RRDF Causeway Ferry	TBS TBS	7 7 7 7 7 7	TACOM	Jun-00 Jun-00	Jun-01 Aug-01		11181	YES		Feb 00
FY 01 Floating Causeway Causeway Ferry	7BS 7BS	Option	TACOM	Jan-01 Jan-01	Mar-02 Oct-01		13029	YES		
REMARKS:						·				

	EY 00 / 01 BUDGET PRODUCTIO) C		CHE	N SCHEDULE			Ī_	P-1 Item Nomenciature: CAUSE		S S	WE.	WAY	dature: CAUSEWAY SYSTEMS (R97500)	EMS	(R97)	200)					<u>š</u>	Date:			Febru	February 2000	90		
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	Exhi	bit P-40, I	Exhibit P-40, Budget Item Justification Sheet	em Justifi	cation Sh	eet				February 2000		
Appropriation / Budget Activity/Serial No:	erial No:					P-1 Item Nomendature:	lature:					
OTHER	OTHER PROCUREMENT / 3 / Other Support Equipment	/ Other Support	Equipment					RAILWAY CA	RAILWAY CAR, FLAT, 89 FOOT (M37000)	T (M37000)		
Program Elements for Code B Items:	ems:			Code:	Other Related F	Other Related Program Elements:						
				∢								
	Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2005 To Complete Total Prog	Total Prog
Proc Qty	835	320		120	45							1320
Gross Cost	63.9	13.7	0:0	13.6	4.9	0.0	0.0	0.0	0.0	0.0	0.0	96.1
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	63.9	13.7	0.0	13.6	4.9	0.0	0.0	0.0	0.0	0.0	0.0	96.1
Initial Spares												
Total Proc Cost	63.9	13.7	0.0	13.6	4.9	0.0	0:0	0.0	0.0	0.0	0.0	96.1
Flyaway U/C												
Wpn Sys Proc U/C												
The Transport		7 00		B line none	30 200 40	Dillocate Mariana and the second seco	200,4000	day, all bearing	Signature V	tion of Am	iod accino	opoo

(AAR). The cars have a steel deck and can carry up to 100 Tons. They are primarily used for transporting heavy equipment such as self-propelled howitzers, Bradleys, Multiple Launch Rocket Systems, and International Standards Organization (ISO) containers. These cars are not available on the used rail car market. The Army has tried on two occasions, FY95 and FY97, to buy used 100 Ton Multi-purpose cars and both times have been unsuccessful. DESCRIPTION: These are new 89 foot Multi-purpose rail flat cars of a design already approved by the Association of American Railroads

		Appropriation OTHER PF	n/ Budget ROCURE	ppropriation/ Budget Activity/Serie OTHER PROCUREMENT / 3 /	Appropriation/ Budget Activity/Serial No: OTHER PROCUREMENT / 3 / RAILWAY CAR, FLAT, 89 FG	P-1 Line RAILWA	P-1 Line Item Nomenclature: RAILWAY CAR, FLAT, 89 FOOT	dature: T, 89 FOOT		Weapon System Type:	em Type:	Date: Febr	te: February 2000
OFA COST Analysis		Other Su	Other Support Equipment	uipment			(M37000)						
			FY 98						FY 00				
Cost Elements	CD	TotalCost	Oty	UnitCost	TotalCost	Qţ	UnitCost		Qty	UnitCost	TotalCost	Q.	
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000 \$
 Hardware Railway Car, 89 Foot Multi-purpose Railway Car, 89 Foot Multi-purpose Railway Car, 68 Foot Multi-purpose 2. DOT (VOLPE Procurement Support) Program Management Support 	∢ .				11311 1130 821 317	125	113	2366 2185 298 80	28	95			
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TOTAL					13579			4929					
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ı	Exhibit P-5a, Budget Procurement History and Planning	ory and	ı Planning					Lebr	February 2000	1
Appropriation / Budget Activity/Serial No:		Weapon System Type:	stem Type:		P-1 Line Item Nomenclature:	Nomenclate	m Nomenclature:	FOOT (M3:	(002	
WBS Cost Elements:	Contractor and Location	Contract	Location of PCO	Award Date	Date of First	ΔĮ	Unit Cost	Specs Date	₽	enss
Fiscal Years		method and Type			Delivery	Each	\$000	Now? Avail	ii	9
1. Hardware										
FY99 Railway Car, 89 Foot, 100 Ton Railway Car, 68 Foot, 100 Ton	Silver Enterprises, Cape Coral, FL Mid-America Equip., Mesa, AZ	C/FP I	DOT - Volpe Contract DOT - Volpe Contract	Oct-99 Jul-99	Apr-00 Apr-00	125	90	90 Yes 113 Yes		
FY00 Railway Car, 89 Foot, 100 Ton Railway Car, 89 Foot, 100 Ton	Silver Enterprises, Cape Coral, FL TBS	Option C/FP	Option DOT - Volpe Contract C/FP DOT - Volpe Contract	Feb-00 Jul-00	Aug-00 Jul-01	23	91	Xes Yes	Mar 00	8
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выменк New contract required in FY 00	00 because the option quantity will be met with the 26 cars.	vill be m	net with the 26 cars	1.						

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FY 00 / 01 BUDGET PRODUCTION SCHEDULE		NO.	SCH	EDO	E L		P-1 Item Nomenclature: RAILWAY CAR,	E I	Nomenciature: RAILWAY CAR, FLAT, 89 FOOT (M37000)	AY C	AR.F	¥,	89 F	Ď	M37(8				, de	ö		ű.	bruar	February 2000	8		_
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	Exhi	hibit P-40,	, Budget It	em Justifi	bit P-40, Budget Item Justification Sheet	et	:			February 2000		
Appropriation / Budget Activity/Serial No:	Serial No:					P-1 Item Nomendature:	lature:					
OTHER	OTHER PROCUREMENT / 3 /	/3/Other Support Equipment	rt Equipment					ITEMS LESS TH	ITEMS LESS THAN \$5.0M (FLOAT/RAIL) (ML5355)	/RAIL) (ML5355)		
Program Elements for Code B Items:	Items:			Code:	Other Related Program Elements:	gram Elements:						
	Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2005 To Complete Total Prog	Total Prog
Gross Cost	50.7	3.7	8.0	2.2	6.8	6.7	3.2	3.6	4.6	4.7		94.2
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	20.7	3.7	8.0	2.2	6.8	6.7	3.2	3.6	4.6	4.7		94.2
Initial Spares												
Total Proc Cost	50.7	3.7	8.0	2.2	6.8	6.7	3.2	3.6	4.6	4.7		94.2
Flyaway U/C												
Wpn Sys Proc U/C												

RRDF) to support C3 Readiness Objective. The Modular Causeway Components provide a floating platform interface between Roll-on Roll-off installations in peacetime and mobilization missions. Funding for Float items is for the acquisition of six Roll-on/Roll-off Discharge Facility ammunition plants, Army Materiel Command (AMC) depots, and Forces Command (FORSCOM) and Training and Doctrine (TRADOC) DESCRIPTION: Railroad equipment consists of locomotives, rolling stock, track maintenance equipment, etc., used to support Army RO/RO) ship and lighters for the discharge of rolling cargo during Logistics Over The Shore (LOTS) operations.

cases, already unserviceable, and in other cases, are either unsafe or not cleared for use under Federal Railroad Administration (FRA)/Maritime JUSTIFICATION: In FY01, funding provides for the replacement of overage, logistically unsupportable assets. Current items are in some Standards.

- hazardous materials used in the ammunition manufacturing process, and in the movement of completed ammunition to distribution points. This 1. Boxcar, 100 Ton, 85 Foot, Reconditioned: The Boxcar will provide a safe, secure means for the holding, transportation, and handling of railroad equipment meets Federal Railroad Administration (FRA) standards and increases Army munition plant readiness capabilities.
- 2. Railcars, Side, Dump, 100 Ton: Provide for cost-effective movement, staging and dynamic unloading of consumable aggregates (coal, gravel, sand, etc) at Army depots and in Army industrial operations. Replace overage railcars.

				Date
Exhibit P-40C Budget Item Justification Sheet	em Justi	fication Sheet		Fabruary 2000
Appropriation / Budget Activity/Serial No.		P-1 lt	P-1 Item Nomenclature	
OTHER PROCUREMENT / 3 / Other Support Equipment				ITEMS LESS THAN \$5.0M (FLOAT/RAIL) (ML5355)
Program Elements for Code B Items	Code	Other Related Program Elements	Elements	

3. Railcars, Hopper, 100 Ton: Provide for cost-effective movement and staging of bulk commodities, including ballast, in Army industrial facilities and base operations.

aggregates (stone and similar materials) in an efficient and expeditious manner. The refurbished and reconditioned gondolas will be fully 4. Gondolas, 60 Foot, 100 Ton: Gondolas provide Army physical plants with the ability to move large quantities of scrap material and compliant with all FRA safety standards. 5. <u>Car Spotters:</u> These rail vehicles perform railcar switching tasks and can substitute as a cost-effective alternative for locomotives in many situations. Requirements exist at McAlester, Aberdeen, Radford and Redstone.

6. <u>Causeway System Components</u>: Includes survey of causeway components on "loan" to units and purchase of items discovered to be in deteriorated condition (includes flexors, mooring bits, ancillary equipment, etc). This will enable equipment to be officially released to units, thereafter becoming their responsibility for repair.

7. <u>Miscellaneous Watercraft Equipment:</u> Includes movable Fire Extinguishing Systems, Landing Craft, Utility Reduction Gears, and Telelogistics modules for ocean-going craft.

8. <u>Locomotive Fleet MWO:</u> Procure and apply FRA/AAR/EPA required modifications including Event Recorders/Speedometers, Ditch Lights, Drip Pans, and Kim Hot Start Kits.

Cost Elements Cost Element	Exhibit P-5, Weapon		Appropriation/ Budget Activity/Serial No:	Budget Ac	tivity/Serial No:		P-1 Line It	P-1 Line Item Nomenclature:	ure:		Weapon System Type:		Date:	0
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A A A B 86	GONDOLAS, 100 TON, 60 FOOT	< ∢				150		75			75			182
A A A A A A A A A A A A A A A A A A A	CAR SPOTTERS, LIGHT DUTY	∢							375 1300		375			390
A A A A A A A A A A A A A A A A A A A	RAIL (DOT VOLPE PROCUREMENT)	< ∢							270					
A A A A A A A A A A A A A A A A A A A	LOCOMOTIVE, FLEET MWO	∢ <				80			224			900		
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Appropriation / Budget Activity/Serial No:		Weapon System Type:	m Type:		P-1 Line Item Nomenclature:	Nomencla	iture:			
OTHER PROCUREMENT / 3 / Other Support Equipment					ITEMS	LESS TH	AN \$5.0M (V	VATERCE	ITEMS LESS THAN \$5.0M (WATERCRAFT/RAIL) (ML5355)	L5355)
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	ary u	Unit Cost	Specs Avail	Date Revsn	RFP Issue Date
Fiscal Years		and Type			Delivery	Each	\$000	Now?	Avail	
Boxcar, 100 Ton, 85 Foot, (Reconditioned) FY00 FY01	TBS TBS	C/FP Option	DOT, Volpe, MA DOT, Volpe, MA	May 00 May 01	Mar 01 Mar 02	4 4	65	Yes		Dec 99
Railcars, Side Dump FY00 FY01	TBS TBS	C/FP Option	DOT, Volpe, MA DOT, Volpe, MA	May 00 Feb 01	Mar 01 Oct 01	8.8	78	Yes		Dec 99
Railcars, Hopper FY00 FY01	TBS TBS	C/FP Option	DOT, Volpe, MA DOT, Volpe, MA	May 00 Mar 01	Feb 01 Jan 02	7 7	72	Š		Feb 00
Gondolas, 100 Ton, 60 Foot FY00 FY01	TBS TBS	C/FP Option	DOT, Volpe, MA DOT, Volpe, MA	Apr 00 Feb 01	Nov 00 Nov 01	4 0	75	Yes		Jan 00
Car Spotters, Light Duty FY00 FY01	TBS TBS	C/FP Option	DOT, Volpe, MA DOT, Volpe, MA	Jun 00 Feb 01	Jun 01 Jan 02	- 2	375	S N	Feb 00	Mar 00
Car Spotters, Heavy Duty FY00 FY01	TBS TBS	C/FP Option	DOT, Volpe, MA DOT, Volpe, MA	Jun 00 Feb 01	Apr 01 Jan 02	7 +	650	8	Feb 00	Mar 00
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REMARKS:										

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		Exhibit P-4	Exhibit P-40, Budget Item Justification Sheet	em Justifica	ition Sheet					February 2000		
Appropriation / Budget Activity/Serial No:	No:					P-1 Item Nomendature:						
-TO	OTHER PROCUREMENT / 3 / Other Support Equipment	T/3/Other Support I	Equipment					GENERATORS A	GENERATORS AND ASSOCIATED EQUIP (MA9800)	QUIP (MA9800)		
Program Elements for Code B Items:	ìú			Code:	Other Related Program Elements:	ım Elements:						
	Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Qty												
Gross Cost	1331.3	30.9	9.1	9:59	79.6	85.9	58.9	7.07	67.1	58.7		1857.6
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	1331.3	30.9	9.1	929	9.67	85.9	58.9	70.7	67.1	58.7		1857.6
Initial Spares												
Total Proc Cost	1331.3	30.9	9.1	9:59	9.62	85.9	58.9	70.7	67.1	58.7		1857.6
Fiyaway U/C												
Wpn Sys Proc U/C												

DESCRIPTION: The Tactical Quiet Generators (TQG) and 2kW Military Tactical Generator (MTG) diesel programs are a result of Army and DoD direction to replace the current generator fleet. The current fleet is overaged and does not meet current user requirements. These requirements are designed to introduce into the DoD inventory a new family of generators (sizes 2kW through 920kW) that will satisfy the user requirements for:

- Reduction in detection by threat forces of 80% (low operating noise and infrared suppression)
- Improved ground mobility for power units/power plants (PU/PP) (trailer mounted generator sets). ડાં છ
- Improved reliability and lower operating and support costs (reduction in scheduled maintenance, reduction in fuel consumption).
 - Improved battlefield survivability (high altitude electromagnetic pulse protection).
- Single fuel on the battlefield (diesel/JP8)
- Reduced generator requirements by utilizing the Distribution Illumination System, Electric (DISE)

combat support system in the Army inventory. FY01 continues the production and fielding of 2kW, 3kW and 5-60kW TQG skid mounted generator sets, power units enhance the user's safety and survivability. These modernized mobile generators provide electrical power to virtually every weapon, communication, medical and JUSTIFICATION: FY01 funds will provide for the replacement of the current fleet of overaged, gasoline fueled generators with modernized diesel assets that will and power plants in support of Force Package I and II.

oit P-5,	4	Appropriation/ Budget Activity/Serial No:	idget Activity	//Serial No:		P-1 Line Iten	P-1 Line Item Nomenclature:			Weapon System Type:		Date:	February 2000
OPA Cost Analysis		OI HER PROCU	Equipment	OTHER PROCUREMENT / 37 Other Support Equipment			ONS AND ASSOCIATION (MA9800)						2007
	₽		FY 98			FY 99			FY 00			FY 01	
Cost Elements	8	TotalCost	δ	UnitCost	TotalCost	Q.	UnitCost	TotalCost	Qfy	UnitCost	TotalCost	Oth	UnitCost
		\$000	Each	\$000	\$000	Each	000\$	\$000	Each	000\$	000\$	Each	000\$
					•								
Small Generator Sets (2kW-3kW)	∢				5614			26139			31741		
Medium Generator Sets (5kW-60kW)	∢				37695			36217			41825		
Large Generator Sets (100kW-920kW)	В					-		474					
Power Units/Power Plants	∢				16855			12070			12320		
Readiness Incentives					5388	****		4689		,,,,,,			
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TOTAL					65552			79589			85886		И

	Exhibit P-40,	Budget Item Justification Sheet
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		Exhibit P-40, Budget		Item Justification Sheet	ation Sheet					February 2000		
Appropriation / Budget Activity/Serial No:	al No:					P-1 Item Nomendature:	ıre:					
тo	OTHER PROCUREMENT / 3 / Other Support Equipment	/3/Other Support E	Squipment					Ø	SMALL SETS (2-3 KW)	,		
Program Elements for Code B Items:	s:			Code:	Other Related Program Elements:	am Elements:						
	Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Qty												
Gross Cost	0.0	5.3	1.3	5.6	26.1	31.7	17.7	22.4	10.7	10.7		131.5
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	0.0	5.3	1.3	5.6	26.1	31.7	17.7	22.4	10.7	10.7		131.5
Initial Spares												
Total Proc Cost	0.0	5.3	1.3	5.6	26.1	31.7	17.7	22.4	10.7	10.7		131.5
Flyaway U/C												
Wpn Svs Proc U/C												

DESCRIPTION: 2kW Military Tactical Generator, Manportable/Skid mounted, Diesel/JP8 fueled, AC (60Hz) and DC (28Vdc) and 3kW Tactical Quiet Generator, Skid Mounted, Diesel Fuel (60Hz and 400Hz).

overaged gasoline engine driven sets with modernized new assets with improved reliability, reduced noise signatures, and diesel/JP8 fueled engines. These modernized sets will reduce operating and support costs thus providing a lower system total ownership cost. The small generator program supports the Multiple Launch Rocket JUSTIFICATION: FY01 continues the production and fielding of the small generator sets in support of Force Package I and II. This program will replace existing systems, missile air defense systems, mobile kitchen units, other combat support systems and numerous communication systems.

Exhibit P-5, Weapon OPA Cost Analysis	<u> </u>	Appropriation/ Budget Activity/Serial No: OTHER PROCUREMENT / 3 / Other Sup	udget Activity	Appropriation/ Budget Activity/Serial No: OTHER PROCUREMENT / 3 / Other Support		P-1 Line Item SI	P-1 Line Item Nomenclature: SMALL SETS (2-3 KW)	: KW)		Weapon System Type:		Date: Febru	February 2000
	₽		Equipment FY 98			FY 99			FY 00			FY 01	
Cost Elements	8	TotalCost	ģ	UnitCost	TotalCost	ģ	UnitCost	TotalCost	δţ	UnitCost	TotalCost	Qty	UnitCost
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1 Item Hardware/M50400)													
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3KW/80HZ(FA) 3KW/400Hz	20				· · ·			47	5	0	240	0 1	04
3kW/400Hz(FA)	ω										240	9	40
2. Engineering Support					411			682			682		
3. Engineering Change Orders					601			200			200		
4. Testing											400		
5. System Fielding Support											200		
6. System Assessment											150		
7. Logistic Support											403		
8. Data								56			399		
9. PM Management Support					200			733			009		
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Evhihit	Exhibit P-5a Budget Progurement History and Planning	History an	nd Planning					Date:	February 2000	8	
Assessmentation / Budnet Arthulty/Social No.		Weapon System Type:	n Type:		P-1 Line Item Nomenclature:	Nomenclature:					
OTHER PROCUREMENT / 3 / Other Support Equipment						S	SMALL SETS (2-3 KW)	KW)			
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	αту	Unit Cost	Specs Avail	Date Revsn	RFP Issue Date	
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2kW/60Hz											
FY99	Dewey Electronics, Oakland, NJ	C/FP-R5(3) CECOM	СЕСОМ	Jan-99	Sep-99	862	i Qi	Yes			
FY00 EV01	Dewey Electronics, Oakland, NJ Dewey Electronics, Oakland, NJ	C/FP-R5(4) CECOM C/FP-R5(5) CECOM	CECOM	Jan-00 Jan-01	Sep-00 Sep-01	1102	2	Yes			
2kW/DC FY00	Dewey Electronics, Oakland, NJ	C/FP-R5(4) CECOM	CECOM	Jan-00	Sep-00	80	S	Yes			
3kW/60Hz				,		:					
FY00 EV04	Fermont, Bridgeport, CT Fermont, Bridgeport, CT	C/FP-R5(4) CECOM C/FP-R5(5) CECOM	CECOM	Jan-00 Jan-01	Aug-00 Aug-01	2210 2298	80 80	Yes Yes			
FY01 (New Contract/First Article)	TBS	C/FP-R8(1) CECOM	СЕСОМ	Feb-01	Jul-02	9	40	Yes			
									· <u></u>		
3kW/400Hz											
FY00 FY01 (New Contract/First Article	Fermont, Bridgeport, CT TBS	C/FP-R5(4) CECOM	CECOM	Jan-00 Feb-01	Aug-00 Jul-02	က တ	6 4	χes ≺es			_
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		Exhibit P-40, Budget	0, Budget It	em Justific	Item Justification Sheet					February 2000		
Appropriation / Budget Activity/Serial No:	I No:					P-1 Item Nomendature:	;ö					
₩.O	OTHER PROCUREMENT / 3 / Other Support Equipment	/3/Other Support E	Equipment					۷	MED SETS (5-60 KW)			
Program Elements for Code B Items:				Code:	Other Related Program Elements:	am Elements:						
					2000	7000	2000	EV 2002	2007	EV 2005	To Complete	Total Prod
	Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	F1 2003	11 2004	7 7 7000	apiduo o	So.
Proc Qty												
Gross Cost	168.0	5.3	5.1	1.78	36.2	41.8	19.5	21.3	26.1	21.7		382.7
Less PY Adv Proc										1		
Plus CY Adv Proc												
Net Proc (P-1)	168.0	5.3	5.1	37.7	36.2	41.8	19.5	21.3	26.1	21.7		382.7
Initial Spares												
Total Proc Cost	168.0	5.3	5.1	37.7	36.2	41.8	19.5	21.3	26.1	21.7		382.7
Flyaway U/C												
Wpn Sys Proc U/C												

DESCRIPTION: The Medium Generator program includes the 5kW, 10kW, 15kW, 30kW, and 60kW Generator Sets, Skid Mounted, Diesel Fueled Tactical Quiet Generator, 60Hz and 400Hz. JUSTIFICATION: The FY01 program continues the production and fielding of the medium generator sets in support of Force Package I/II. These generators will replace weight, providing high altitude electromagnetic pulse protection, and increasing infrared signature suppression. These new modernized sets which will reduce total ownership costs support Missile/Air Defense Systems (THAADS, Tow Missile System, Patriot Missile System, Avenger and Multiple Launch Rocket System), Tactical existing overaged gasoline/diesel sets with modernized assets that increase safety and survivability by improving reliability, reducing noise signatures, reducing Operations Centers, numerous communication and combat support systems.

bit P-5,		Appropriation/ Budget Activity/Serial No:	dget Activity	Appropriation/ Budget Activity/Serial No:		P-1 Line Item	P-1 Line Item Nomenclature: MED SETS (5-60 KW)	(WX		Weapon System Type:		Date: Febru	February 2000
OPA Cost Analysis			Equipment	and an one of									
	₽		FY 98			FY 99			FY 00			전	
Cost Elements	8	TotalCost	Qŧ	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qţ	UnitCost
		\$000	Each	000\$	000\$	Each	\$000	000\$	Each	\$000	\$000	Each	\$000
1. Item Hardware (M53500)	<				42768	1248	Ę	5859	553	-	6596	009	7
5KW/400Hz	< <				20	2							
10kW/60Hz	∢ <				12195	1048	12	12458	1033	12 12	10400	831	53
10KW/400HZ 115KW/60Hz	∢ ∢				1852		12	3918		13	3555	275	13
15kW/400Hz	۷				383	56	15	!		•	537	32	15
30kW/60Hz	۷ ۵				1935		22	4917	223	22	6111 360	763 763	S 99
30KW/400Hz (F.K.) 30KW/400Hz	Δ <				476	20	24		и		436	17	26
30kW400Hz (FA)	a <				2449	100	24	1905	9/	25	360 4862	o 48	7 7 8 8
60kW/60Hz (FA)	(10				7		i	2					9
60kW/400Hz 60kW/400Hz (EA)	ΑB				222	ω	28				1344 360	6 6	ල ල ම
2. Engineering Support					1577			1966			1800		-
3. Engineering Change Orders					430			009			009		
4. Testing					2308			1000			768		
5. System Fielding Support											1009		
6. System Assessment											200		
7. Logistics Support											1017		
8. Data					150			150			150		
9. PM Management Support					950			975			1000		
10. Contractor Claim								2010					
					***			•					
TOTAL					37695			36217			41825		
	┨												

									Date:		
	Exhibit P.	Exhibit P-5a, Budget Procurement History and Planning	listory an	nd Planning					Fel	February 2000	0
Appropriation / But	Appropriation / Budget Activity/Serial No:		Weapon System Type:	n Type:		P-1 Line Item Nomenclature	vomenclature:				
OTHER PF	OTHER PROCUREMENT / 3 / Other Support Equipment						2	MED SETS (5-60 KW)	(w.	ı	
WBS Cost Elements:	ıts:	Contractor and Location	Contract Method	Location of PCO	Award Date Date of First	Date of First	ат	Unit Cost	Specs	Date R Revsn	RFP Issue Date
Fiscal Years			and Type			Delivery	Each	\$000	Now?	Avail	
5kW/60Hz											
FY99		Fermont, Bridgeport, CT	C/FP-R10(2) CECOM	CECOM	Jan-99	Jan-00	1248	10	Yes		•
FY00 FY01		Fermont, Bridgeport, CT Fermont, Bridgeport, CT	C/FP-R10(3) CECOM C/FP-R10(4) CECOM	CECOM	Jan-00 Jan-01	Jan-01 Jan-02	923 600	9 9	× kes ≺ kes	•	
10kW/60Hz											
FY99		Fermont, Bridgeport, CT		СЕСОМ	Jan-99	Jan 00	1048	12	Yes		
FY00		Fermont, Bridgeport, CT		CECOM	Jan-00	Jan-01	1033	12	Xes		
FY01		Fermont, Bridgeport, CT	C/FP-R10(4)	СЕСОМ	Jan-01	Jan-02	831	5	Xes		
15kW60Hz											
FY99		Fermont, Bridgeport, CT	C/FP-R10(2)	CECOM	Jan-99	Jan-00	150	12	Yes		
FY00		Fermont, Bridgeport, CT	C/FP-R10(3) CECOM	CECOM	Jan-00	Jan-01	312	13	χes:		
FY01		Fermont, Bridgeport, CT	C/FP-R10(4) CECOM	CECOM	Jan-01	Jan-02	275	<u> </u>	Xes		
							•				
15kW/400Hz			·								
FY99		Fermont, Bridgeport, CT	C/FP-R10(2) CECOM	СЕСОМ	Jan-99	Jan-00	26	15	Yes		
FY01		Fermont, Bridgeport, CT	C/FP-R10(4) CECOM	CECOM	Jan-01	Jan-02	32	15	Yes		
REMARKS:	Rebuy contract for 5,10, 15kW sets was awarded to Fermont, Bridgeport, CT, Jun 97. Contract is a 10 year requirements contract.	awarded to Fermont, Bridgeport, CT,	Jun 97. Con	tract is a 10 year requirement	s contract.						
	Unit cost is firm fixed price regardless of quantity.	quantity.									

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Exhibit P	Exhibit P-5a. Budget Procurement History and Planning	listory an	nd Planning					Date:	February 2000	8
Annountation / Burdnet Activity/Serial No:		Weapon System Type:	n Type:		P-1 Line Item Nomenclature:	tomenclature:				
Appropriation / Suggest Activity Social 73 / Other Support Equipment						-	MED SETS (5-60 KW)	(w)		
WBS Cost Elements:	Contractor and Location	Contract	Location of PCO	Award Date	Date of First	αпу	Unit Cost	Specs Avail	Date F Revsn	RFP Issue Date
Fiscal Years		and Type			Delivery	Each	\$000	Now?	Avail	
30kW/60Hz										
8	MCII. Dallas. TX	C/FP-R5(3)	CECOM	66-InC	Jul-00	06	22			
FY00	MCII, Dallas, TX	C/FP-R5(4)	CECOM	Feb-00	Feb-01	223	22	Yes		
	MCII, Dallas, TX	C/FP-R5(5)	CECOM		Jan-02	263	8 8			
	TBS	C/FP-8(1) CECOM	CECOM	Mar-01	Sep-uz	٥	00			
				-						
30kW/400Hz										
FY99	MCII, Dallas, TX	C/FP-R5(3)	СЕСОМ	96-Inc	00-lnr	20	24	Yes		
	; ; ;	2000	MOOLO	Jan-04	- CU-uel	17	96			
FY01 EX01 (New Contract/First Article)	McII, Dallas, I.A TBS	C/FP-R8(1) CECOM	CECOM	Mar-01	Sep-02	9		Yes		
						•				
60kW/60Hz										
00	MCII. Dallas, TX	C/FP-R5(3)	CECOM	99-Inc	00-Inc	100	24			
	MCII, Dallas, TX	C/FP-R5(4) CECOM	CECOM	Feb-00	Feb-01	92	25			
	MCII, Dallas, TX	C/FP-R5(5)		Jan-01	Jan-02	<u>\$</u>	26			,
(New Contract/First Article)	TBS	C/FP-R8(1)	CECOM	Mar-01	Sep-02	9	09	χes		
60kW/400Hz										
	MCII Dellee TX	C/FP-R5(3)	CFCOM	66-Inc	Jul-00	80	28	Yes		
FY99	MCII, Dallas, TX	C/FP-R5(5) CECOM	CECOM	Jan-01	Jan-02	45	30			
FY01 FY01(New Contract (First Article)	TBS	C/FP-R8(1) CECOM	CECOM	Mar-01	Sep-02	9	9	Yes	1	
REMARKS: The FY96 contract for 30 and 60kW sets awarded to MCII,		design and	Dallas, TX, was for design and testing on sets with new certified engines and follow-on production.	ed engines	and follow-c	on productic	Ë			

The FY96 contract for 30 and 60kW sets awarded to MCII, Dallas, TX, was for design and testing on sets with new certified engines and follow-on production.

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FY 00 / FY 01 BUDGET PRODUCTION SCHEDULE	20	S NOILS	CHED				:				챣	5KW GENERATOR SETS	NERA:	TOR S	ETS		İ				ヿ					ebruar	February 2000	ړ	ŀ	T
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		Exhibit P-4	Exhibit P-40, Budget Item Justification Sheet	em Justifica	ation Sheet					February 2000		
Appropriation / Budget Activity/Serial No:	I No:					P-1 Item Nomendature:	re:					
, o	HER PROCUREMEN	OTHER PROCUREMENT / 3 / Other Support Equipment	quipment					POWE	POWER UNITS/POWER PLANTS	ANTS		
Program Elements for Code B Items:	;;			Code:	Other Related Program Elements:	am Elements:					:	
	Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Qty												
Gross Cost	74.8	8.3	2.6	16.9	12.1	12.3	7.9	12.6	12.3	11.1		170.9
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	74.8	8.3	2.6	16.9	12.1	12.3	7.9	12.6	12.3	11.1		170.9
Initial Spares												
Total Proc Cost	74.8	8.3	2.6	16.9	12.1	12.3	7.9	12.6	12.3	11.1		170.9
Flyaway U/C												
Wpn Sys Proc U/C												

units or power plants. Power units consist of one TQG mounted on trailer. Power plants consist of two TQG's mounted on one or two trailer interfaces with a switchbox installed. The trailers are procured from TACOM and the electronic components/raw materials are procured through the depot or by other government activities and DESCRIPTION: Depot/Field Manufacturing Program: The integration of Tactical Quiet Generator's on trailers with the electronic components are defined as power competitive contracts.

operation, extended mean-time-between-failure, and replace overaged diesel and gasoline fueled assets. The FY01 program will continue assembly and fielding of TQG's to Force Package I and II units. Total package fielding of Missile/Air Defense Systems, Communications Systems and Combat Support Systems are dependent JUSTIFICATION: FY01 continues the acquisition and manufacture of power unit/power plant integration with TQG assets designed to provide greater reliability, quieter upon these power unit power plant configurations.

bit P-5,		Appropriation/ Budget Activity/Serial No:	get Activity/	Serial No:		P-1 Line Iten	P-1 Line Item Nomenclature:	otroid some		Weapon System Type:		Date: Febru	February 2000
OPA Cost Analysis		OINEN FROCO	Equipment	onial support			Lower Ollicar	Ower Figures				-	a.) 2000
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6. System Assessment													
7. Logistics Support											460		
8. Data					200								
9. PM Management Support					400			400			200		
10. Other								88					
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-	Exhibit P	Exhibit P-5a, Budget Procurement History and Planning	listory a≀	nd Planning					Ľ	February 2000	0
Appropriation / Buc	Appropriation / Budget Activity/Serial No:		Weapon System Type:	т Туре:	_	2-1 Line Item I	P-1 Line Item Nomenclature:				
OTHER PR	OTHER PROCUREMENT / 3 / Other Support Equipment							Power	Power Units/Power Plants	er Plants	
WBS Cost Elements:	15:	Contractor and Location	Contract Method	Location of PCO	Award Date Date of First	Date of First	ατν	Unit Cost	Specs Avail	Date F Revsn	RFP Issue Date
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Power Units/Power Plants	ower Plants		*								
FY98		Tobyhanna Army Depot, PA	WR	CECOM/TOAD	Jan-98	Jun-98	125		Yes		
FY99		Tobyhanna Army Depot, PA	WR	CECOM/TOAD	Jan-99	Jun-99	1700		Yes		
FY00		Tobyhanna Army Depot, PA	WR	CECOM/TOAD	Jan-00	Jun-00	1326		χes:		
FY01		Tobyhanna Army Depot, PA	× R	CECOM/TOAD	Jan-99	- 66-unc	1207		×es		

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REMARKS:	This age for production includes: Denot producement of electrical components and raw materials manufacturing the power unit/hower plants	: Depot proclirement of elec	drical con	nonents and raw mate	rials mai	nifacturi	od the po	wer unit/po	ower n	ants	
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Unit cost for production includes: Depot procurement of electrical components and raw materials, manufacturing the power unit/power plants, integration packages, and integration of components and ancillary equipment into a completed power unit/power plant.

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		Exhibi	Exhibit P-40, Budget If	Budget Item Justification Sheet	Sheet					February 2000		
tion / Budget A	tion / Budget Activity/Serial No:					P-1 Item Nomenclature:	iclature:					
OTHER PR	OTHER PROCUREMENT /Other Support Equipment.	ther Support Equ	ipment / 53600426	126			GEN	GENERATOR READINESS INCENTIVES PROGRAM	DINESS INCEN	TIVES PROGR	AM	
Elements for Code B Items:	ode B Items:			Code:	Other Related Program Elements:	rogram Element	:s:					
	Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
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RIPTION:	RIPTION: This program supports the system fielding (new equipment training and total package fielding) costs associated with the generator program and	upports the	system fieldin	inbə məu) bı	oment trainin	g and total p	ackage fieldi	ng) costs as:	sociated with	the general	sociated with the generator program and	nd f

Less PY Adv Proc Plus CY Adv Proc

Gross Cost Proc Qty

Total Proc Cost

Initial Spares

Flyaway U/C

Wpn Sys Proc U/C

Net Proc (P-1)

Appropriation / Budget Activity/Serial No:

Program Elements for Code B Items:

DESCRIPTION: This program supports the system fielding (new equipment training and total package fielding) costs associated with the generator program and contractor support. It also supports readiness improvement programs: Generator System Assessments, production engineering and various testing on generator systems that are not separately authorized.

								Date:				
		Exhibit P-4	Exhibit P-40, Budget Item Justification Sheet	em Justifica	ation Sheet					February 2000		
Activity/Serial No:	i No:					P-1 Item Nomendature:	ıre:					
PE O	OTHER PROCUREMENT / 3 / Other Support Equipment	7/3/Other Support	Equipment					Rough Terrain Cor	Rough Terrain Container Handler, 53,000 LBS (M41200)	00 LBS (M41200)		
Code B Items:	;4			Code:	Other Related Program Elements:	am Elements:						
	0604804	0604804A DH14		89								
	Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
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	94.3	0.0	0.0	20.4	0.0	40.0	43.1	45.2	16.0	15.7	0.0	274.7
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Performance Specification Date Jan 98; DTE/IOTE/OTE/TDP are all N/A as item is nondevelopment; TC Generic scheduled for April 00; TC Standard scheduled for surfaces in port or depot operations, sand terrain during Joint Logistics Over The Shore operations, and cross country rough terrain during Ordnance ammunition Standardization Organization (ISO) family of 8' wide, 20' and 40' long containers weighting up to 53,000 pounds. The RTCH will operate worldwide on prepared DESCRIPTION: The Rough Terrain Container Handler (RTCH) is equipped with a 20' to 40' expandable top handler capable of handling the new International handling operations. The RTCH is four wheel drive and capable of fording 5' of water.

Wpn Sys Proc U/C

otal Proc Cost

Flyaway U/C

Net Proc (P-1) Initial Spares

supports world wide deployments at theatre level. The Army's Battlefield Distribution System plan call for expanded container handling missions forward into the Corps, RTCH's and in vehicle capability. This shortfall is to be remedied in part through creation of the Improved Cargo Handling Operations (ICHO) units and increases in the Army Authorization Objective (AAO) from 346 to 651. The new ICHO units began activating in FY 99 and continues through June 2001. The current RTCH fleet (282) JUSTIFICATION: FY 01 will procure 75 RTCHs. The Army needs an improved rough terrain container handler with an increased lift capacity of 53,000 pounds. The Division and Brigade Support areas. Lessons learned from Somalia and Haiti indicate a significant shortfall in container handling capability in terms of numbers of previous RTCH only has a lift capacity of 50,000 pounds, which no longer meets the weight requirement of new 20' commercial containers. Currently, the RTCH

was procured in 1978 and is now approaching 20 years old. Their reliability and cost effectiveness will sharply decrease as their planned life expectancy was 15 years. The increased requirement for container handling requires a RTCH that is more robust and includes technologies and capabilities compatible with current commercial standards. The new machine will be more transportable than the current machine to support worldwide deployability and battlefield mobility, will have increased lift capacity and will comply with new environmental engine emission standards.

bit P-5,	∢ `	Appropriation/ Budget Activity/Serial No:	dget Activity/	Appropriation/ Budget Activity/Serial No:	-	P-1 Line Item	P-1 Line Item Nomenclature:	GE ICINAH GE		Weapon System Type:		Date: Febr	February 2000
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	₽		FY 98			FY 99			FY 00			FY 01	
Cost Elements	8	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qfy	UnitCost	TotalCost	Qfy	UnitCost
	П	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	000 \$
1. Hardware 2. Refurbishment 3. Engineering Change Order 4. Documentation 5. Testing (Production Qualification test-Government (ATC) 6. Engineering In-House 7. Program Management Support 9. System Fielding Support					190 190 414 438 115 376 113	35	286				36900 206 1102 150 473 993	75	
TOTAL					20416						40031		

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Appropriation / Bi	Appropriation / Budget Activity/Serial No:		Weapon System Type:	m Type:		P-1 Line Item	P-1 Line Item Nomenclature:		, 0 , 0000	2000	
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REMARKS:	First year price includes non-recurring start up	curring start up costs.									

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		Exhibit P-4	0, Budget It	em Justific	Exhibit P-40, Budget Item Justification Sheet					February 2000		
Appropriation / Budget Activity/Serial No:	al No:					P-1 Item Nomendature:	re:					
ПО	OTHER PROCUREMENT / 3 / Other Support Equipment	7/3/Other Support E	Equipment					ALL TERRAIN	ALL TERRAIN LIFTING ARMY SYSTEM (M41800)	TEM (M41800)		
Program Elements for Code B Items:	13:			Code:	Other Related Program Elements:	am Elements:						
				∢								
	Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Qty	130	168	31	171	196	196	233	226	211	200		1762
Gross Cost	13.6	16.5	3.3	18.8	23.5	24.4	29.9	29.8	30.1	28.5	0:0	218.4
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	13.6	16.5	3.3	18.8	23.5	24.4	29.9	29.8	30.1	28.5	0.0	218.4
Initial Spares												
Total Proc Cost	13.6	16.5	3.3	18.8	23.5	24.4	29.9	29.8	30.1	28.5	0.0	218.4
Flyaway U/C												
011 0000 000												

flexibility in accomplishing the overall mission. It can unload palletized loads from ISO containers with the 6000 LB carriage and can handle breakbulk palletized cargo variable reach capability is used to load and unload palletized cargo into and out of 20-foot International Standardization Organization (ISO) containers. Maximum lift capacity is 10,000 pounds at a 48-inch load center. Two carriages, 6000 lb and 10000 lb are furnished with the forklift and are quickly interchangeable, providing DESCRIPTION: The All Terrain Lifting, Army System (ATLAS) is a rough terrain variable reach forklift having cross country mobility and a speed of 23 MPH. The and the Air Force 463L pallet with the 10000 LB carriage. The ATLAS can drive on and off C-130 aircraft and is transportable by truck, rail and sea.

not been removed from the inventory for lack of replacement forklifts, a critical element in the logistics sustainment of deployed units. The current 10,000 lb forklifts are immediately upon arrival in a conflict area. The ATLAS Army Authorized Objective is 3235 and the ATLAS is being fielded to Transporation, Quartermaster, Ordnance, Specifically, the plan calls for deployment by containerized cargo. The ATLAS's variable reach enables ISO container loading and unloading of palletized cargo, which JUSTIFICATION: FY 01 continues procurement of the ATLAS. The currently fielded military designed 6,000 lb and 10,000 lb rough terrain forklifts fielded 1968-1976 can not be done with the current fleet. Additionally, parts are no longer available, and sustainment is through cannibalization. These vehicles are obsolete, but have not easily transportable by C-130 and C-17 aircraft, requiring disassembly and multiple aircraft sorties. Deploying units need a mobile forklift that can unload cargo and the 10,000 lb rough terrain forklifts fielded again in 1983-1985 no longer meet new mission requirements supporting the Army's Strategic Mobility Plan. Missile Munition, Engineering, Aviation, and Medical Units in the Army.

Ω	•	Appropriation/ Budget Activity/Serial No:	dget Activity/	Serial No:		P-1 Line Item	P-1 Line Item Nomenclature: ALL TERRAIN LIFTING ARMY SYSTEM	WY SYSTEM		Weapon System Type:		Date: Febru	February 2000
OPA Cost Analysis			Equipment				(M41800)						
	₽		FY 98			FY 99			FY 00			FY 01	
Cost Elements	8	TotalCost	Qŧy	UnitCost	TotalCost	άþ	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qfy	UnitCost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	000\$	000\$	Each	\$000
1. Hardware 2. Government Furnished Equipment 3. Engineering Change Order 4. Documentation 5. Testing-Comparison 6. Engineering In-House 7. Program Management Support 8. System Fielding Support	⋖	·			17613 300 509 70 257		103	22800 150 250 210 210		120			424
TOTAL					18805			23469			24407		

	Exhibit D	Exhibit D.5a Budget Procurement History and Planning	distory a	nd Planning				<u> </u>	Date:	February 2000	9
4			Weapon System Type:	am Type:		P-1 Line Item Nomenclature:	domenclature:				
Appropriation / B	Appropriation / Budget Activity/Serial Inc. OTHER PROCUREMENT / 3 / Other Support Equipment						ALL TERRAIN	ALL TERRAIN LIFTING ARMY SYSTEM (M41800)	YSTEM (M	41800)	
WBS Cost Elements:	ints:	Contractor and Location	Contract	Location of PCO	Award Date Date of First	Date of First	αTY	Unit Cost	Specs	Date F Revsn	RFP Issue Date
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FY 99		TRAK INTERNATIONAL		TACOM	Jan-99	96-Inc	171	103	YES		
FY 00		PORT WASHINGTON, WI TRAK INTERNATIONAL		TACOM	Jan-00	Jul-00	190	120	YES		
FY 01		PORT WASHINGTON, WI TRAK INTERNATIONAL	SSFP	TACOM	Dec-00	Jun-01	188	124	YES		
		PORT WASHINGTON, WI	REQ 2(1) SSFP								
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REMARKS:	Increase in price in FY 00 and FY 01 due to	-Y 01 due to negotiation of th	ne contrac	negotiation of the contract unit price for fifth year unpriced option on current contract.	r unprice	d option (on currer	it contract.			

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								Date:				
		Exhibit P-4	Exhibit P-40, Budget Item Justification Sheet	em Justific	ation Sheet					February 2000		
Appropriation / Budget Activity/Serial No:	i No:					P-1 Item Nomendature:	; <u>6</u>					
от	OTHER PROCUREMENT / 3 / Other Support Equipment	/3/Other Support E	Equipment					ROUGH TERRA	ROUGH TERRAIN CONTAINER CRANE (X00900)	ANE (X00900)		
Program Elements for Code B Items:	:6			Code:	Other Related Program Elements:	am Elements:						
	060804 DH14	DH14		∢			:					
	Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Qtv	254			2	22	4						282
Gross Cost	51.7	0.0	0.0	1.1	10.9	2.1	0.0	0.0	0.0	0.0	0.0	65.8
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	51.7	0:0	0.0	1.1	10.9	2.1	0.0	0.0	0.0	0.0	0.0	65.8
Initial Spares												
Total Proc Cost	51.7	0.0	0.0	1.1	10.9	2.1	0.0	0.0	0.0	0.0	0:0	65.8
Flyaway U/C												
Wpn Sys Proc U/C												

areas. It has a 5' saltwater fording capability needed for Joint Logistics Over the Shore operations. Transportation Cargo Transfer Companies, Transportation Terminal DESCRIPTION: The Rough Terrain Container Crane (RTCC) has a diesel engine, 4 wheel drive steering, and a hydraulically operated telescopic boom with 360 degree Service Companies, and General Support Ammunition Companies use the RTCC to lift and transfer containers from the ground to waiting transportation or from one rotation capability. The RTCC is capable of handling the 20 foot and 40 foot long American National Standards Institute/International Standardization Organization (ANSI/ISO) family of containers. It lifts max loaded 20' ISO containers (52,910 lbs.) at 27' reach and max loaded 40 feet containers (67,200 lbs.) at 22' reach. The RTCC will also store and stack containers up to three high. It will operate worldwide on improved and unimproved surfaces, cross country rough terrain, and beach mode of transportation to another. The RTCC is also used to lift and transfer palletized projectiles, PLS flatracks, and bulk supplies.

FY 99-FY 01. Under TAA03, the Army's Authorization Objective (AAO) has increased from 255 to 354. Currently, of the 120 RTCCs required for ICHO activation's, only Distribution System Plan, which call for expanding the container crane handling mission forward into the Corps, Division, and Brigade Support areas. Funding is/will be 42 are on hand. RTCC productivity and reliability will be of critical importance by minimizing bottlenecks and backlogs. The massive increase in the use of containers by all Army units also intensifies the impact current RTCC shortages will have on future deployments. Initial force projections and faster velocity management of initial used to fill shortages in Transportation Cargo Transfer Companies when the units convert under the new Improved Cargo Handling Operation (ICHO) concept during JUSTIFICATION: FY 01 continues procurement of the RTCC. The RTCC requirement is supported by the Defense Planning Guidance and Army's Battlefield and sustainment shipments will create an estimated workload of 500 containers per day per company.

oit P-5,	,	Appropriation/ Budget Activity/Serial No: OTHER PROCUREMENT / 3 / Other Support	dget Activity/	Serial No: / Other Support		P-1 Line Item	P-1 Line Item Nomenclature: ROUGH TERRAIN CONTAINER CRANE	NER CRANE		Weapon System Type:		Date: Febru	February 2000
UPA Cost Analysis			Equipment				(X00900)						
	₽		FY 98			FY 99			FY 00			전	
Cost Elements	8	TotalCost	Oth	UnitCost	TotalCost	Qŧy	UnitCost	TotalCost	Qŧ	UnitCost	TotalCost	ğ	UnitCost
		\$000	Each	\$000	000\$	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
1. Hardware 2. Refurbishment 3. Engineering Change Order 4. Documentation 5. Testing a. Contract Test-First Article Test b. Production Verification Test 6. Engineering In-House 7. Program Management Support 8. System Fielding Support	۷				806 28 55 55 200	7	403	8360 153 390 240 363 363 351 848	22	980	1613 47 55 238 103	4	403
TOTAL					1124			10883			2056		

									Date:		
	Exhibit P	Exhibit P-5a, Budget Procurement History and Planning	History ar	nd Planning					F	February 2000	0
Appropriation / Budget Activity/Serial No:			Weapon System Type:	т Туре:		P-1 Line Item !	P-1 Line Item Nomenclature:				
OTHER PROCUREMENT / 3 / Other Support Equipment	ort Equipment						ROUGH TERR	ROUGH TERRAIN CONTAINER CRANE (X00900)	CRANE (X	(00600	
WBS Cost Elements:		Contractor and Location	Contract	Location of PCO	Award Date Date of First	Date of First	ап	Unit Cost	Specs	Date F Revsn	RFP Issue Date
Fiscal Years			and Type			Delivery	Each	\$000	_	Avail	
1. Hardware		Grove, U.S. L.L.C.		TACOM	Mar-00 Oct-00	Oct-00	7	403	YES		
) } -		Shady Grove, PA.	£								
FY 00		Grove, U.S. L.L.C.	SS	TACOM	Jun-00 Jan-01	Jan-01	22	380			
73		Shady Grove, PA. Grove, U.S. L.L.C.	*FP/Option SS	TACOM	Jan-01 Jul-01	Jul-01	4	403			
		Shady Grove, PA.	⊆								
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*Matrix - Pricing by range of quantity, 1-5, 6-10, 11-20, 20+.
Based on the small buy quantity and fleet standardization desired by CASCOM, a sole source rebuy of the same make and model is recommended. REMARKS:

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FY 00 / 01 BUDGET PRODUCTION SCHEDULE	UCTIC	ON SC	HEDOI	щ		<u>L</u>	P-1 Item Nomenical Condition	<u> </u>	ROUG I	H TER	RAINC	IGALINE. ROUGH TERRAIN CONTAINER CRANE (X00900)	KERC	SANE ()	(00600)				Š	i		u.	February 2000	,2000		
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	Exh	nibit P-40,	Budget Ite	em Justifi	iibit P-40, Budget Item Justification Sheet	et				February 2000		
Appropriation / Budget Activity/Serial No:	/Serial No:					P-1 Item Nomendature:	ature:					
ОТНЕК	OTHER PROCUREMENT	3 / Other Support Equipment	t Equipment					ITEMS LESS	ITEMS LESS THAN \$5.0M (MHE) (ML5365)	E) (ML5365)		
Program Elements for Code B Items:	Items:			Code:	Other Related Program Elements:	gram Elements:						
				4								
	Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2005 To Complete Total Prog	Total Prog
Proc Qty												
Gross Cost	65.3	2.0	1.6	1.7	1.8	1.2	1.5	1.5	1.4	1.4	0.0	79.4
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	65.3	2.0	1.6	1.7	1.8	1.2	1.5	1.5	1.4	1.4	0.0	79.4
Initial Spares												
Total Proc Cost	65.3	2.0	1.6	1.7	1.8	1.2	1.5	1.5	1.4	1.4	0.0	79.4
Fiyaway U/C												
Wpn Sys Proc U/C												

DESCRIPTION: This program covers various types of Materials Handling Equipment (MHE) where the total acquisition cost for each line item is below \$5,000,000 (total expended program per year).

Tractor Warehouse - Self propelled commercial diesel towing tractor capable of towing loads up to 4,000 lbs. Used primarily to pull trailer loads or break bulk commodities in warehouses at depots and terminal operations.

20 Foot Spreader Bars - This is a commercial design spreader bar for use with crane hook attachments. It is an ASIOE for the Rough Terrain Container Crane (RTCC) X009 to handle 20-foot ANSI/ISO containers.

Currently, commercial 20' containers could weigh up to 67,200 lbs. The current Army fleet of 20 foot spreader bars is rated at 44,800 lbs. This JUSTIFICATION: FY 01 funds equipment required for transportation, quartermaster, and materiel handling units in order to replace or retrofit requirements, and does not require excessive Operating and Support (O & S) costs to maintain. This equipment is critical in support of fleet mobilization and sustainment roles. FY 01 procures 20 Foot Spreader Bars - A Safety Of Use Message (SOUM) was released 21 Aug 98. procurement is to support a fleet replacement of 20 foot spreader bars which are ASIOE for the Rough Terrain Container Crane (RTCC). existing systems to ensure that equipment is safe to operate, provides the soldier with reliable systems to support materiel handling

		Appropriation/ Budget Activity/Serial N OTHER PROCI IREMENT / 3 / Other	Budget Act	Appropriation/ Budget Activity/Serial No: OTHER PROCLIBEMENT / 3 / Other		P-1 Line It	P-1 Line Item Nomendature: ITEMS ESS THAN \$5.0M (MHE)	Ire:		Weapon System Type:		Date: Februa	: February 2000
OPA Cost Analysis		Sup	Support Equipment	nent			(ML5365)	<u>,</u>					
	al		FY 98			FY 99			FY 00			FY 01	
Cost Elements	CD			UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost		UnitCost
The second secon	Ц	000\$	Each	\$000	\$000	E	\$000	\$000	Each	\$000	\$000	Each	\$000
1. Tractor Warehouse M487 2. Spreader Bars R134 3 Program Management Support 4. System Fielding Support					361		10 10	1460		01			10
TOTAL					1732			1756			1231		
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Appropriation / Budget Activity/Serial No:		Weapon System Type:	em Type:		2-1 Line Iter	P-1 Line Item Nomenclature:	ture:		í	
OTHER PROCUREMENT / 3 / Other Support Equipment						ITEMS LES	ITEMS LESS THAN \$5.0M (MHE) (ML5365)	MHE) (ML		
WBS Cost Elements:	Contractor and Location	Contract	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs Avail	Date R Revsn	RFP Issue Date
Fiscal Years		and Type			Delivery	Each	\$000		Avail	
1. Tractor Warehouse FY 99	Harlan Corp. Kansas City, KS	. FFP	ТАСОМ	Mar-99	Apr-99	37	23	YES		
2. Spreader Bars	, SEL	G.	TACOM	00-111	Jan-01	52	10	10 YES		Nov 99
		REQ 5(1)		3		3	2	}		
FY 00	TBS	C/FP C/FP	TACOM	Jul-00	Mar-01	146	10	10 YES		
FY 01	TBS	C/FP C	ТАСОМ	Jan-01	Sep-01	75	10	10 YES		
			•							
REMARKS:]		

								Date:				
		Exhibit P-4	Exhibit P-40, Budget Item Justification Sheet	em Justifica	ation Sheet					February 2000		
Appropriation / Budget Activity/Serial No:	ial No:					P-1 Item Nomenclature:	T 9 :					
Б	OTHER PROCUREMENT / 3 / Other Support Equipment	73/Other Support E	-duipment					COMBAT TRAIN	COMBAT TRAINING CENTERS SUPPORT (MA6600)	PORT (MA6600)		
Program Elements for Code B Items:	ns:			Code:	Other Related Program Elements:	ım Elements:						
-	654715			A/B			OMA-115013	15013				
	Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Qtv												
Gross Cost	271.3	26.5	28.1	47.9	17.4	81.8	0.2	8.4	27.72	31.7	0.0	541.0
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	271.3	26.5	28.1	47.9	17.4	81.8	0.2	8.4	27.7	31.7	0.0	541.0
Initial Spares												
Total Proc Cost	271.3	26.5	28.1	47.9	17.4	81.8	0.2	8.4	27.7	31.7	0.0	541.0
Flyaway U/C												
Wpn Sys Proc U/C												
DESCEIDTION:												

and upgraded under this program for the three manuever training centers to provide the capability to capture and process the actual training data and provide instructive The Army continues with the implementation of the strategy in the Combat Training Center (CTC) Master Plan. CTC incorporates the following programs. The National Training Center (NTC), the Combat Manuever Training Center (CMTC), and the Joint Readiness Training Center (JRTC). Instrumentation systems are being procured used for follow-on sustainment training. The CTC's are the Army's premiere training area. Overall, the CTC experience provides realistic combat training with long-After Action Reviews (AARs). This provides valuable feedback to the unit Commander and soldiers training at the centers which can be carried back to the unit and term training benefits, thereby, increasing the unit's combat readiness.

JUSTIFICATION:

individual level to the Corps Commander and Battle Staff, in scenarios that will realistically replicate combat from low to high intensity. It is essential that our investment Command System (MCTC ABCS) Integration program. The CTC strategy for FY01 provides the Army with a comprehensive mechanism to conduct training from the Surrogate Vehicle (OSV), (3) National Training Center Range Data Management System (NTC RDMS) and (4) the Maneuver Combat Training Center Army Battle The FY01 funds supports the: (1) JRTC Military Operations in Urban Terrain (MOUT) by continuing procurement of the Phase II objective, (2) Opposing Forces in the CTC's be maintained by assuring that the training provided represents current doctrine and weapon capability.

oit P-5,	Ì	Appropriation/ Budget Activity/Serial No:	udget Activity	y/Serial No:		P-1 Line Item	P-1 Line Item Nomenclature:	10000		Weapon System Type:		Date:	0000
OPA Cost Analysis		OTHER PROCE	JREMENI / 3 Equipment	OTHER PROCUREMENT / 3 / Other Support Equipment		COMBAI	COMBAL I RAINING CENTERS SUFFURI	ואטיייטיי				5	uary 2000
	۵		FY 98			FY 99			FY 00			FY 01	
Cost Elements	8	TotalCost	ξg	UnitCost	TotalCost	ξ	UnitCost	TotalCost	Οty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	\$000	000\$	Each	\$000	\$000	Each	000\$	000\$	Each	\$000
JRTC MOUT II	æ				7321			5427			2336		
Opposing Forces Surrogate Vehicle (OSV)	∢				40163						71485		
NTC RDMS	∢										4800		
NTC TOW	∢				400								
Army Battle Command System/Combat Maneuver Training Center (ABCS/CMTC)	∢										3224		
DFIRST	∢							6912					
Camp Shelby													
TOTAL					47884			17374			81845		

								Date:				
		Exhibit P-4	Exhibit P-40, Budget Item Justification Sheet	em Justifica	ation Sheet					February 2000		
Appropriation / Budget Activity/Serial No:	l No:					P-1 Item Nomendature:	.ie					
Ö	OTHER PROCUREMENT /Other Support Equipment	IT /Other Support Eq	uipment					JRTC	JRTC MOUT II Phase II (MA6601)	16601)		
Program Elements for Code B Items:	:6			Code:	Other Related Program Elements:	am Elements:					•	
	654715			ω			OMA-115013	15013				
	Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Qty												
Gross Cost	0.0	15.3	9.4	7.3	17.4	2.3	0.0	0.0	0.0	0.0	0.0	51.7
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	0.0	15.3	9.4	7.3	5.4	2.3	0.0	0.0	0.0	0.0	0.0	39.8
Initial Spares												
Total Proc Cost	0:0	15.3	9.4	7.3	5.4	2.3	0.0	0.0	0.0	0.0	0.0	39.8
Fiyaway U/C												
Wpn Sys Proc U/C												

training readiness in an urban terrain environment. The JRTC MOUT complex consists of a series of villages and tactical objective sites, with the centerpiece being a 29building enclave replicating a third world town. System capabilities include: conduct of live fire and force-on-force exercises; assessment of team through company level Joint Readiness Training Center (JRTC) Military Operations in Urban Terrain (MOUT) provides an instrumentation system (IS) to satisfy a unique requirement for crucial operations; monitoring of individual player movements through the complex; real-time data capture for analysis and After Action Reviews (AARs); reaction time/hit/miss reporting from remote location control targets; and centralized visual observation and control of facilities.

JUSTIFICATION:

FY01 funding will continue the JRTC MOUT Phase II objective by procuring 90 Advanced Target Systems for the MOUT sites. Funding will also support automated data collection and feedback, command and control of the MOUT portion of exercises and interactive target systems supporting MOUT scenario play. Procurement funds also buy/install Non-Developmental Items (NDI).

_	⋖	Appropriation/ Budget Activity/Serial No:	get Activity	/Serial No: Other Support		P-1 Line Iter	P-1 Line Item Nomenclature: JRTC MOUT II Phase II (MA6601)	(MA6601)		weapon system type:		Date: Febr	February 2000
OPA Cost Analysis			Equipment										
	ΩI		FY 98			FY 99			FY 00			전	
Cost Elements	8	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	ğ	UnitCost	TotalCost	ð	UnitCost
		\$000	Each	\$000	000\$	Each	\$000	000\$	Each	\$000	\$000	Each	\$000
A. TYPE II BLDG	ω				225	-	225						
B. TYPE III BLDG	В				778	2	389						
C. TYPE IV BLDG								1358	0	629			
D. TYPE V BLDG	Ф				1303	-	1303	1366		1366			
E. Low Light Cameras	Ω							1090	Ŋ	218			
F. Advanced Target System	8							200	20	10	006	06	10
G. Audio/Visual Instrumentation Support					3045			104			675		
H. Interim Contractor Logistics Support					855						280		·
l. Engineering Changes					298			200			50		
J. Contractor Engineering Support					228		•						
K. Other Gov't Agency Support					100								
L. In-House Government Support			•		465			808			431		
M. Technical Documentation					24								
								• • • • • • • • • • • • • • • • • • • •					
TOTAL	· · · · · · · · · · · · · · · · · · ·				7321			5427			2336	<u>-</u>	

	ם ייינייל	Shihit D. F. Budast Drocuroment History and Dlanning	ieton, ar	od Dlanning					Date: Fet	February 2000	
A contract of the contract of	EAIIIDIL F	-3a, budger Floculement in	Weapon System Type:	TVDB:		P-11 ine Item Nomenclature	Jomen Clature:			202	
Appropriation / Bud	ation / Brugget Activity/Serial No. OTHER PROCUREMENT /Other Support Equipment						JRTC	JRTC MOUT II Phase II (MA6601)	MA6601)		
WBS Cost Elements:	15	Contractor and Location	Contract Method	Location of PCO	Award Date Date of First	Date of First	απγ	Unit Cost	—		RFP Issue Date
Fiscal Years			and Type			Delivery	Each	\$000	Now?	Avail	
C. TYPE IV BLDG FY 00	DG.	SIGCOM, Greensboro, NC	Option	NAWC, Orlando, FL	Feb-00	Jan-01	2	629	Yes		
D. TYPE V BLDG FY 00	DG	SIGCOM, Greensboro, NC	Option	NAWC, Orlando, FL	Feb-00	Jan-01		1366			
E. Low Light Cameras FY 00	ameras	SIGCOM, Greensboro, NC	Option	NAWC, Orlando, FL	Jan-00	Nov-00	S.	218	Xes		
F. Advanced Target System FY 00 FY 01		Northern NEF Inc, Colorado	FFP	AMCOM, Huntsville, AL	Jun-00 Jan-01	Nov-00 Apr-01	50	01 0	Yes		
						·				· · · · · · · · · · · · · · · · · · ·	
REMARKS:	NAWC - Naval Air Warfare, Contract Type - Firm Fixed Price (FFP) All FY99-00 contracts will be options to original FY97 contract with the exception of Advanced Target Systems. Buildings in groups are identical; however, there are differences in number of rooms, floors, required cameras, and required instrumentation, etc. Therefore, there are noteable changes in unit costs. Delivery site - Fort Polk, LA Ready for Training Date - 1QFY01. jrtc HAS BEEN UTILIZIANG THE FACILITY ON A "PROGRESSIVE" BASIS. aS SOON AS A BUILDING	e - Firm Fixed Price (FFP) ginal FY97 contract with the exceptior , there are differences in number of ro unit costs. AS BEEN UTILIZIANG THE FACILIT	oms, floors, Oms, Coors,	ed Target Systems. required cameras, and require ROGRESSIVE" BASIS. aS SI	d instrume	ntation, etc. BUILDING					

								Date:				
		Exhibit P-4	Exhibit P-40, Budget Item Justification Sheet	em Justifica	ation Sheet					February 2000		
Appropriation / Budget Activity/Serial No:	al No:					P-1 Item Nomendature:	ī 0 :					
0	OTHER PROCUREMENT /Other Support Equipment	NT /Other Support Eq	juipment					Opposing Forces	Opposing Forces Surrogate Vehicle (OSV) (MA6601)	OSV) (MA6601)		
Program Elements for Code B Items:	TS:			Code:	Other Related Program Elements:	ım Elements:						
				∢								
	Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Otv												
Gross Cost	4.5	4.9	18.7	40.2	0.0	72.0	0.0	0.0	0.0	0.0	0.0	140.3
l ocs DV Adv Proc												
200												
Plus CY Adv Proc												-
Net Proc (P-1)	4.5	4.9	18.7	40.2	0.0	71.5	0.0	0.0	0.0	0.0	0.0	139.8
Initial Spares												
Total Proc Cost	4.5	4.9	18.7	40.2	0.0	71.5	0.0	0.0	0.0	0.0	0.0	139.8
Fivaway U/C												
Wpn Svs Proc U/C												
TO TO COLO												

Centers (CTCs) to provide the representation of the Former Soviet Union designed Boyevaya Mashina Pyekhoty-2 (BMP-2) Infantry Fighting Vehicle in simulated combat training vehicle that has no go-to-war capability. The operational use of the OSV is limited to the unique training environment of the CTCs. While representing the BMP-2 functionally and visually the OSV also provides the crewman 11M (Bradley Crewman) Military Occupation Speciality (MOS) positive training sustainment. maneuver exercises. The performance objectives of the Operational Requirements Document are accomplished by modifying excess M901 Improved TOW Vehicles Multiple Integrated Laser Engagement System (MILES) representation of the salient characteristics of the BMP-2 on-board weapons systems. The OSV is a unique components), thermal sights, and related visual modifications (VISMODS) that provide the key recognition signatures of the BMP-2. The OSV has both visual and The Opposing Forces Surrogate Vehicle (OSV) is in production for use by the Opposing Force (OPFOR) component of the U.S. Army maneuver Combat Training (ITVs) to M113A3 conditions. The modifications include the A3 upgrade and the addition of a fully functional stabilized turret (based on M2A2 Bradley fire control DESCRIPTION:

JUSTIFICATION:

Armored Fighting Vehicle in the CTC training environment and meets the requirements for soldier safety and functional skills sustainment for the OPFOR (U.S. Soldier) Through FY01, 196 vehicles will be procured to support the total NTC and JRTC requirement. The OSV provides realistic simulation of the BMP-2 Infantry Soviet role player. Vehicles procured with FY01 funds will be fielded to NTC and JRTC locations. They have very different and distinct environments in which to operate.

bit P-5,		Appropriation/ Budget Activity/Serial No:	/ Budget Activ	ity/Serial No:		P-1 Line Iten	P-1 Line Item Nomenclature:	(100) elejae).		Weapon System Type:	Type:	Date:	0000
OPA Cost Analysis		2 2 2 2 2	COUREMENT	OTHER PROCUREMENT /OTHER SUPPORT		Gusoddo	Opposing Forces Surrogate Venicle (USV)	Venicle (OSV)				Ē	daly 2000
	₽		FY 98			FY 99	(1000CINI)		FY 00			FY 01	
Cost Elements	8	TotalCost	┢	UnitCost	TotalCost	ģ	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
	Ц	\$000	Н	Н	000\$	Each	000\$	000\$	Each	000\$	000\$	Each	\$000
A. NTC Vehicle	٧				32393	72	450				29055	4	209
B. JRTC Vehicle	∢										25511	36	402
C. SAWE/MILES II kits					1835	98	21				2747	. 77	36
D. Other Government Agency Support				1.144	630						384		
E. In-House Government Support			·		715						736		
F. Engineering Change Proposals					1820						4743		
G. Contractor Engineering Support					2770						4362		
H. Interim Contractor Logistics Support		_									947		•
I. Major Item Management*											3000		
* Costs associated with the technical activities and logistic activities required to transition item management responsibilities for the OSV to TACOM.									M-10-11-11-11-11-11-11-11-11-11-11-11-11-				
											,		

TOTAL					40163						71485		
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	Exhibit P	Exhibit P-5a. Budget Procurement History and Planning	listory ar	nd Planning				<u></u>	Date: Fet	February 2000	
Appropriation / Budget Activity/Serial No:			Weapon System Type:	m Type:		P-1 Line Item Nomenclature:	Vomenclature:				
OTHER PROCUREMENT /Other Support Equipment	Support Equipment					0	pposing Force	Opposing Forces Surrogate Vehicle (OSV) (MA6601)	le (OSV) (M	A6601)	
WBS Cost Elements:		Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	αIY	Unit Cost			RFP Issue Date
Fiscal Years			and Type			Delivery	Each	\$000	Now?	Avail	
A. NTC Vehicle FY 99 FY 01		Anniston Army Depot, AL	Option Option	NAWC, Orlando, FL NAWC, Orlando, FL	Dec-98 Dec-00	Mar-00 Mar-02	72	450 709	Yes		
B. JRTC Vehicle FY 01		Anniston Army Depot, AL	Option	NAWC, Orlando, FL	Dec-00	Aug-02	36	100	Yes		
C. SAWE/MILES II Kits FY 99 FY 01		Lockheed/Martin, Pomona, CA	Option Option	NAWC, Orlando, FL NAWC, Orlando, FL	Dec-98 Dec-00	Oct-99 Oct-01	86	36	Yes		
				·							
REMARKS: Naval Air Warfare Center (NAWC) Delivery Site - NTC-Fr Inviru/JRTC- Ready for Training Date - 4QFY98 Contract Type - C/FFP Increase in FY01 SAWE/MILES II I Increase in FY01 vehicle unit cost of	Naval Air Warfare Center (NAWC) Delivery Site - NTC-Ft Inwin/JRTC-Ft Polk Ready for Training Date - 4QFY98 Contract Type - C/FFP Increase in FY01 SAWE/MILES II kits unit Increase in FY01 vehicle unit cost due to re	Naval Air Warfare Center (NAWC) Delivery Site - NTC-Ft Invin/JRTC-Ft Polk Ready for Training Date - 4QFY98 Contract Type - C/FFP Increase in FY01 SAWE/MILES II kits unit cost due to buying new kits versus retrofit kits. Increase in FY01 vehicle unit cost due to requirement to procure Reliability Improvement Selection Equipment (RISE) kits previously provided at no cost.	retrofit kits.	ection Equipment (RISE) kits	previously p	orovided at	no cost.				

FY 00 / 01 BUDGET PRODUCTION SCHEDULE	UCTIO	N SCF	EDUI	Щ					0	Opposing Forces Surrogate Vehicle (OSV) (MA6601)	g Forc	es Sur	rogate	Vehic	SO) e	V) (M	(6601)				ヿ	ı				bruan	February 2000		ļ	
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								Date:				
		Exhibit P-40, Budget	0, Budget It	Item Justification Sheet	ation Sheet					February 2000		
Appropriation / Budget Activity/Serial No:	i No:					P-1 Item Nomenclature:	.e:					
4TO	OTHER PROCUREMENT / 3 / Other Support Equipment	/3/Other Support E	Equipment				-	NTC Range Data Management System (NTC RDMS) (MA6601)	agement System (N	TC RDMS) (MA6601	(1	
Program Elements for Code B Items:	:s			Code:	Other Related Program Elements:	am Elements:						
							OMA-115013	15013				
	Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Qty												
Gross Cost	0.0	0.0	0.0	0.0	0.0	4.8	0.0	0.0	0.0	0.0	0.0	4.8
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	0.0	0.0	0.0	0.0	0.0	4.8	0.0	0.0	0:0	0.0	0.0	4.8
Initial Spares												
Total Proc Cost	0.0	0.0	0.0	0.0	0.0	4.8	0.0	0.0	0.0	0.0	0:0	4.8
Flyaway U/C												
Wpn Sys Proc U/C												

The National Training Center Range Data Management System (NTC RDMS) is a bidirectional communication system that relays event data generated by instrumented players on the battlefield back to the NTC Core Instrumentation Sub-System. The major componetns of the RDMS are the Data Communication Interface (DCI), the communication relay networks, and the Central Node.

JUSTIFICATION:

The FY01 funds will procure the instrumentation interface system necessary to fix the serious data loss occuring between the instrument players and the Core Instrumentation Sub-System. This will provide accurate event data for essential training exercise analysis.

oit P-5,		Appropriation/ Budget Activity/Serial No:	dget Activity	//Serial No:		P-1 Line Iter	P-1 Line Item Nomenclature: NTC RDMS (MARGOL)	601)		Weapon System Type:		Date: Febru	February 2000
OPA Cost Analysis		מושבו לי	Equipment	OTHER PROCOREMENT (3) OTHER SUPPORT			ANIO SIMION O INI	(100				los -	2007 (18)
			FY 98			FY 99			FY 00			FY 01	
Cost Elements	8	TotalCost	-	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Clty.	UnitCost	TotalCost	Óι	UnitCost
			Each	\$000	000\$	Each	\$000	\$000	Each	\$000	000\$	Each	\$000
A. Instrumentation Interface System	∢										4010	_	4010
B. Contractor Engineering Support											315		
C. Other Government Agency Support											20		
D. In-House Government Support											400		
E. Technical Documentation											25		
TOTAL											4800		

	Exhibit F	Exhibit P-5a, Budget Procurement History and Planning	nent History a	nd Planning					Date:	February 2000	
Appropriation / Budget Activity/Serial No:			Weapon System Type:	m Type:		P-1 Line Item Nomenclature:	Nomenclature				
OTHER PROCUREMENT / 3 / Other Support Equipment	3 / Other Support Equipment							NTC RDMS (MA6601)			
WBS Cost Elements:		Contractor and Location	Contract	Location of PCO	Award Date	Award Date Date of First	αпу	Unit Cost	Specs Avail	Date F Revsn	RFP Issue Date
Fiscal Years			and Type			Delivery	Each	\$000	Now?	Avail	
A. Instrumentation Interface System FY 01	System	TBS	TBS	NAWC, Orlando, FL	Dec-00	Jan-01	_	4010	2	Sep 00	
REMARKS: NAWC - Nav Delivery Site	NAWC - Naval Air Warfare Center Delivery Site - NTC, Ft Irwin										
											_

								Date:				
		Exhibit P-40, Budget		Item Justification Sheet	ation Sheet					February 2000		
Appropriation / Budget Activity/Serial No:	l No:					P-1 Item Nomendature:	.e:					
Ю	OTHER PROCUREMENT / 3 / Other Support Equipment	13/Other Support E	Equipment					MCTC	MCTC ABCS Integration (MA6601)	A6601)		
Program Elements for Code B Items:	is a			Code:	Other Related Program Elements:	am Elements:	!					
	Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Qty												
Gross Cost	0.0	0.0	0.0	0.0	0:0	3.2	0.0	0.0	0.0	0.0	0.0	3.2
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	0.0	0.0	0.0	0.0	0.0	3.2	0.0	0.0	0.0	0.0	0:0	3.2
Initial Spares												
Total Proc Cost	0.0	0.0	0.0	0.0	0.0	3.2	0.0	0.0	0.0	0.0	0.0	3.2
Flyaway U/C												
Wpn Sys Proc U/C												

The Maneuver Combat Training Center Army Battle Command System (MCTC ABCS) Integration program provides essential non-intrusive connectivity between ABCS (C4I), the legacy Army Tacitical Command and Control System (ATCCS) and instrumentation capabilities at each of the three CTCs, National Training Center (NTC), Joint Readiness Training Center (JRTC), and Combat Maneuver Training Center (CMTC).

JUSTIFICATION:
The FY01 funding will provide for "Just In Time" (to preclude obsolescence) procurement of the MCTC ABCS Integration hardware and interim contractor logistics support necessary to install the three required systems at the CTC's.

Exhibit P-5, Weapon OPA Cost Analysis		Appropriation/ Budget Activity/Serial No: OTHER PROCUREMENT / 3 / Other Sup	udget Activity	Appropriation/ Budget Activity/Serial No: OTHER PROCUREMENT / 3 / Other Support		P-1 Line Iten MCTC	P-1 Line Item Nomenclature: MCTC ABCS Integration (MA6601)	1 (MA6601)		Weapon System Type:		Date: Febr	February 2000
	2		Equipment			FV 90			EV 60			EV 04	
Cost Elements	8	TotalCost		UnitCost	TotalCost	ξģ	UnitCost	TotalCost	ð	UnitCost	TotalCost	ð	UnitCost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
A. System Hardware	∢										2296	ю	765
B. Contractor Engineering Support				·							328	•	
C. Other Government Agency Support											150		
D. In-House Government Support											350		
E. Technical Documentation											100		
												······	
													
												,	
TOTAL											3224		
					,								

1								Date:		
	Exhibit P-5a, Budget Procurement History and Planning	listory ar	nd Planning					Fel	February 2000	
Appropriation / Budget Activity/Serial No:		Weapon System Type:	m Type:		P-1 Line Item	P-1 Line Item Nomenclature:				
OTHER PROCUREMENT / 3 / Other Support Equipment						MCTC	MCTC ABCS Integration (MA6601)	(MA6601)		
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Award Date Date of First	αTY	Unit Cost	Specs Avail	Date R Revsn	RFP Issue Date
Fiscal Years		and Type			Delivery	Each	\$000			
A. System Hardware FY 01	TBS	TBS	NAWC, Orlando, FL	May-01	Apr-02	8	292	S		Apr 01
REMARKS: NAWC - Naval Air Warfare Center Delivery Sites: NTC- Ft. Irwin, JRTC - Ft Polk, CMTC - Hohenfel, Germany	. Ft Polk, CMTC - Hohenfel, Germany									
										•

								Date:				
	_	Exhibit P-4(), Budget It	em Justific	Exhibit P-40, Budget Item Justification Sheet					February 2000		
Appropriation / Budget Activity/Serial No:	I No:					P-1 Item Nomendature:	ire:					
MTO OTH	OTHER PROCUREMENT / 3 / Other Support Equipmen	3/Other Support E	quipment					TRAINING DE	TRAINING DEVICES, NONSYSTEM (NA0100)	EM (NA0100)		
Program Elements for Code B Items:	ij			Code:	Other Related Program Elements:	am Elements:						
	Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Qty												
Gross Cost	1674.1	73.5	52.8	56.5	72.5	91.9	84.3	6.06	80.4	84.4	0.0	2361.5
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	1674.1	73.5	52.8	56.5	72.5	91.9	84.3	90.9	80.4	84.4	0:0	2361.5
Initial Spares												
Total Proc Cost	1674.1	73.5	52.8	56.5	72.5	91.9	84.3	90.9	80.4	84.4	0.0	2361.5
Flyaway U/C												
Wpn Sys Proc U/C												

etc.), which provide our soldier the valuable experience of battlefield conditions in a training environment. This effort includes the acquisition of training systems training being experienced by both active and reserve component units necessitates the increased use of devices and simulations. The devices and simulations which will effect a direct cost reduction through conservation of energy and ammunition. The reduction of available real estate (ranges and maneuver areas) for The Army continues to build on a major initiative with the Non-System Training Devices (NSTD) program, to introduce realistic and effective simulative training devices into the individual and unit training setting. These devices bring into play many aspects of the combat environment (smoke, noise, confusion, stress, for maneuver situation target engagement simulators and gaming simulations. Devices and simulations are being fielded to minimize resource consumption acquired under the NSTD program are essential for the Army to achieve the goal of increasing training effectiveness and sustaining combat readiness in a constrained training environment. **DESCRIPTION:**

JUSTIFICATION:

System/Precision Gunnery System (TWGSS/PGS), and Range Modernization. Simulators procured under this line are either the result of a development effort or The FY01 NSTD program will procure Multiple Integrated Laser Engagement System 2000 (Miles 2000), the Tank Weapons Gunnery Simulation are the purchase of a non-developmental item.

bit P-5,	4	Appropriation/ Budget Activity/Serial No: OTHER PROCUREMENT / 3 / Other Support	dget Activity REMENT / 3	/Serial No: / Other Support		P-1 Line Ite TRAINING	P-1 Line Item Nomenclature: TRAINING DEVICES, NONSYSTEM (NA0100)	STEM (NA0100)		Weapon System Type:		Date: February 2000	/ 2000
OFA COST Alialysis			Equipment	:									
	₽		FY 98			FY 99			FY 00			FY 01	
Cost Elements	8	TotalCost	Δţ	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Óβ	UnitCost	TotalCost	Oth	UnitCost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	000\$	Each	\$000
NA0100 - NSTD Maneuver/Close Combat MILES 2000 Miles Cope Thunder Engagement Skills Trainer (EST) TWGSS/PGS BEAMHIT FY 99 ORRTF	< < a <				7826 3897 4147 17628			29018 3054 15619 995			49727		
NA0103 - NSTD Command and Control Corps Battle Simulation (CBS) Warfighters Simulation 2000 (WARSIM) Tactical Simulation	∀				639								
NA0105 - NSTD Ranges and Targets Range Modernization Area Weapon Scoring System (AWSS) Improved Target Simulator	44				11795			19379			5157		
NA0106 - NSTD Fire Support/Air Defense Firefighter Simulated Area Weapons Effects (SAWE) GUARDFIST II	44				2986 255			1980					
In-House Support					3935								
FY99 includes \$1.447 for the two year appropriated funds for the Operational Rapid Response Transfer Fund.			4.4										
TOTAL					56529			72532			91937		

		Exhibit P-4	0, Budget It	em Justific	Exhibit P-40, Budget Item Justification Sheet			Date:		February 2000		
Appropriation / Budget Activity/Serial No:	I No:					P-1 Item Nomendature:	Ire:					
O	OTHER PROCUREMENT /Other Support Equipment	T /Other Support Eq	uipment				Multip	Multiple Integrated Laser Engagement System (MILES 2000) (NA0101)	ingagement System	(MILES 2000) (NAC	101)	
Program Elements for Code B Items:	S:			Code:	Other Related Program Elements:	am Elements:						
				∢			OMA - 115013	15013				
	Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Qty												
Gross Cost	0.8	7.1	36.5	7.8	29.0	51.5	46.4	46.8	53.0	53.3	0.0	332.2
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	0.8	7.1	36.5	7.8	29.0	51.5	46.4	46.8	53.0	53.3	0.0	332.2
Initial Spares												
Total Proc Cost	0.8	7.1	36.5	7.8	29.0	51.5	46.4	46.8	53.0	53.3	0.0	332.2
Flyaway U/C												
Wpn Sys Proc U/C												
TACIFOLD												

replacement of all direct-fire MILES devices currently fielded at homestations and small arms direct fire MILES at the Maneuver Combat Training Centers. MILES The MILES 2000 system provides real-time casualty effects necessary for tactical engagement training in a force-on-force training scenario. MILES 2000 is a allows the Army to train as a combined arms combat team with realistic casualty assessment.

MILES 2000 is a technological improvement of basic MILES which provides the following training benefits:

8 aspect angles to account for side, flank, corner and rear shots. Each aspect angle has its own associated probability of kill.

Increased programmability of weapon characteristics, probability of kill, ranges, and basic weapon ammunition loads.

Event recording and display.

Discrete player ID for all participants. This enhances training in terms of After-Action Review, and aids in identifying training against fratricide.

Replication of all weapon capabilities and vulnerabilities through laser simulation of weapon firing effects, and through programmed simulation of vulnerabilities. Enhanced audio-visual cueing effects to replicate battlefield weapon effects.

JUSTIFICATION:

FY01 reaches full rate production. Basic MILES is currently obsolete technically and is uneconomical to repair and sustain. Devices are to be fielded as battalion sets. The program continues fielding until MILES 2000 completely replaces existing MILES in the field.

OTHER PROCUREMENT Other Support (MILES 2009) (MALES 2009)	TotalCost Chy UnitCost TotalCost Chy UnitCost TotalCost	\$000 Each \$000 \$000 Each \$000 \$000	858 150 7945 1 9602 5612 2 1257 1089 1 1912 147 2 1257 1089 1 1912 149 14 1463 150 6 1576 2 1266 745 2 1591 135 12 820 58 14 <th>7826 29018 49727</th>	7826 29018 49727
	UnitCost TotalCost	H		782
FY98	-	Each		
9	_	ш	4444444444	
OPA Cost Analysis	Cost Flements		M16A2 Rifle M24 Sniper Rifle M24 Sniper Rifle M249 Squad Automatic Weapon (SAW) AT-4 Weapon TOW M240 Machine Gun M13 Armored Personnel Carrier (APC) M2/M3 Fighting Vehicle M1A1 Tank Independent Target System Controller Device Small Arms Alignment Main Gun Signature Simulator Initial Brigade Combat Team Vehicle Kits Interim Contractor Logistics Support Engineering Change Proposals (ECPs) Contractor Engineering Support Testing (Functional User) In-House Government Agencies Support Testing (Functional User) In-House Government Support Technical Documentation System Fielding	

								Date:		
Exhibit	Exhibit P-5a, Budget Procurement History and Planning	listory ar	nd Planning					ű.	February 2000	90
Appropriation / Budget Activity/Serial No:		Weapon System Type:	m Type:		2-1 Line Item	P-1 Line Item Nomenclature:				
OTHER PROCUREMENT /Other Support Equipment					Multiple In	itegrated Laser	Multiple Integrated Laser Engagement System (MILES 2000) (NA0101)	tem (MILES	3 2000) (NA	A0101)
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date Date of First	Date of First	αгу	Unit Cost	Specs Avail	Date F Revsn	RFP issue Date
Fiscal Years		and Type			Delivery	Each	\$000	Now?	Avail	
A, M16A2 Rifle FY00 FY01	Cubic Defense, San Diego, CA	Option	NAWC, Orlando, FL	Feb-00 Dec-00	Oct-00 Aug-01	7945 5612	2	Yes		
B. M24 Sniper Rifle FY00 FY01	Cubic Defense, San Diego, CA	Option	NAWC, Orlando, FL	Feb-00 Dec-00	Sep-00 Aug-01	54	- 2	Yes		
C. M249 Squad Automatic Weapon (SAW) FY00	Cubic Defense, San Diego, CA	Option	NAWG, Orlando, FL	Feb-00 Dec-00	Sep-00 Aug-01	1593	₩ ₩	Yes		-
D. AT-4 Weapon FY00 FY01	Cubic Defense, San Diego, CA	Option	NAWG, Orlando, FL	Feb-00 Dec-00	Sep-00 Aug-01	965	w 4	Yes		
E. TOW FY01	Cubic Defense, San Diego, CA	Option	NAWC, Orlando, FL.	Dec-00	Jul-01	78	12	Yes		
F. M240 Machine Gun FY00 FY01	Cubic Defense, San Diego, CA	Option	NAWG, Orlando, FL	Feb-00 Dec-00	Sep-00 Aug-01	512 745	2 2	Yes		
G. M2 Machine Gun FY00 FY01	Cubic Defense, San Diego, CA	Option	NAWC, Orlando, FL	Feb-00 Dec-00	Sep-00 Aug-01	464	9.5	Yes		
REMARK Naval Air Warfare Center - NAWC										

Contract Type - C/FFP
Delivery Sites - Army Wide
Ready for Training Date - 1QFY00
Increase in some FY01unit costs due to necessity of renegotiation of prices.

111111111111111111111111111111111111111	Exhibit D-59 Budget Procurement History and Planning	ietory an	d Planning				-	Date:	February 2000	90
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Appropriation / Budget Activity/Serial No:		Weapon System Type:	л Туре:		7-1 Line Item P	P-1 Line Item Nomenclature:				
OTHER PROCUREMENT /Other Support Equipment					Multiple In	tegrated Laser	Multiple Integrated Laser Engagement System (MILES 2000) (NA0101)	em (MILES	2000) (N	40101)
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date Date of First	Date of First	αTY	Unit Cost	Specs Avail	Date Revsn	RFP Issue Date
Fiscal Years		and Type			Delivery	Each	\$000	Now?	Avail	
H. M113 Armored Personnel Carrier (APC) FY99 FY00	Cubic Defense, San Diego, CA	Option	NAWC, Orlando, FL	Apr-99 Feb-00	Apr-00 Sep-00	150 273	မ မ	Yes		
FY01				Dec-00	Aug-01	635	4	Yes		
I. M2/M3 Fighting Vehicle FY99	Cubic Defense, San Diego, CA	Option	NAWC, Orlando, FL	Apr-99	Apr-00	101	41			
FY00				Feb-00	Sep-00	148	1 5	Υes		
FY01				Dec-00	Aug-01	428	-			
J. M1A1 Tank Evgo	Cubic Defense. San Diego. CA	Option	NAWC, Orlando, FL	Apr-99	Apr-00	135	12			
FY00				Feb-00	Sep-00	28	41	Yes		
FY01				Dec-00	Aug-01	270	7	Yes		
K. Independent Target System	, , , , , , , , , , , , , , , , , , ,	, ,	I Operation	00-20	Ancido		٣			
987	Cubic Deferrace, Sarr Diego, CA		1 (2010)	Feb-00	Sep-00	413	9 4	Yes		
FY01				Dec-00	Aug-01	1182	ĸ			
L. Controller Device	,	Ç	13 operato OMWA	9	C	25,	•			
FY00 FY01	Cubic Deferise, Sair Diego, CA	5	1 (Cliando), 1 1	Dec-00	Aug-01	487	- 7	Xes.		
M Complete Alignment					٠					
M. Small Atrits Augument FY99	Cubic Defense, San Diego, CA	Option	NAWC, Orlando, FL	Apr-99	Apr-00	108	O	Yes		
REMARK Naval Air Warfare Center - NAWC										

Naval Air Warfare Center - NAWC
Contract Type - C/FFP
Delivery Sites - Army Wide
Ready for Training Date - 1QFY00
Increase in some FY01unit costs due to necessity of renegotiation of prices.

									Date:		
	:	Exhibit P-5a, Budget Procurement History and Planning	listory an	d Planning					Fe	February 2000	0
Appropriation	Appropriation / Budget Activity/Serial No:		Weapon System Type:	п Туре:		P-1 Line Item Nomenclature:	Nomenclature:				
Б	OTHER PROCUREMENT /Other Support Equipment					Multiple In	tegrated Laser	Multiple Integrated Laser Engagement System (MILES 2000) (NA0101)	em (MILES	2000) (NA	0101)
WBS Cost Elements:	ements:	Contractor and Location	Contract Method	Location of PCO	Award Date Date of First	Date of First	ΩTY	Unit Cost	Specs Avail F	Date Revsn	RFP Issue Date
Fiscal Years			and Type			Delivery	Each	\$000		Avail	
N. Main G FY99 FY00 FY01	N. Main Gun Signature Simulator FY99 FY00	Cubic Defense, San Diego, CA	Option	NAWC, Orlando, FL	Apr-99 Feb-00 Dec-00	Apr-00 Oct-00 Sep-01	135 58 270	0 / v	Yes Yes Yes Yes	V4.000	
REMARK	Naval Air Warfare Center - NAWC Contract Type - C/FFP Delivery Sites - Army Wide Ready for Training Date - 1QFY00 Increase in some FY01unit costs due to necessity of renegotiation	sity of renegotiation of prices.									

FY 100 / 101 BUDGET PRODUCTION SCHEDU	Dac	CTION S	KED	ULE					ten i Nornenbaldus. Multiple Integrated Laser Engagement System (MILES 2000) (NA0101)	F-1 Rem Nomenclature: Multiple Integrated Las	aserE	ingage	ament	Syste	E (M	ES 20	S)	IA010	5		, Ca	ġ			Feb	February 2000	000		
				PROC	ACCEP.	BAL				Ï	Fiscal Year 99	Yea	66				┝				F	scal	Fiscal Year 00	r 00					1
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COST ELEMENTS	uα	Ā	ш с >	Each	то 1 ост	AS OF 1 OCT	0 U F	z 0 >	¬ ∢ Z □ ш ∪	шш	≥ ∢ ư	∢α¤	Z ∢ ≻	っっz	د د د	∀ ⊃ ७	оше	Z O > O ∪ ⊢		¬ ∢ Z	шшю	∑ ∢ îî	∢αœ	≥∢≻	¬ ⊃ Z	רטי	ە⊂∢	опσ	⊢шк
A. M16A2 Rifle	1								4	\sqcup	\Box				T	1	\dashv	\dashv	-	4	4	4	_	_	\perp			7	
		FY99	MC	8000	0	8000		\dashv		\dashv	_	∢				\dashv	ᅥ	\dashv	-	4	\dashv	4	4	8	8	1200	1900	<u>8</u>	1800
		FY00	٧	7945	0	7945									_	_	-	_	_	_	۷	_		_					7945
		FY01	٧	5612	0	5612					Ц							-	_				_		_				5612
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D. AT-4 Weapon	7								H	L							Н	Н	_			_							
		FY00	∢	965	0	965													_	_	۷							92	900
		FY01	A	1215	0	1215					Ш						-		_				_	_	_				1215
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		Exhibit P-4	0, Budget It	em Justific	Exhibit P-40, Budget Item Justification Sheet					February 2000		
Appropriation / Budget Activity/Serial No:	al No:					P-1 Item Nomendature:	ıre:					
OT	OTHER PROCUREMENT /Other Support Equipment	T /Other Support Equ	uipment					Engagemen	Engagement Skills Trainer (EST) (NA0101)	(NA0101)		
Program Elements for Code B Items:	ij			Code:	Other Related Program Elements:	am Elements:						
9	654715			æ			OMA - 115013	15013				
	Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Qty												
Gross Cost	0.0	0.0	0.0	4.1	3.1	0.0	2.8	0.0	0.0	0.0	0.0	10.0
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	0.0	0:0	0.0	4.1	3.1	0.0	2.8	0.0	0.0	0.0	0.0	10.0
Initial Spares												
Total Proc Cost	0:0	0.0	0.0	4.1	3.1	0.0	2.8	0.0	0.0	0.0	0.0	10.0
Flyaway U/C												
Wpn Sys Proc U/C												

The Engagement Skills Trainer (EST) provides individual and crew weapon marksmanship at the squad level for collective training. Squad leaders are able to control and evaluate individual, team and squad performance. Included in the EST are the M16A2, M9 pistol, MK19, M249 SAW, M60 Machine Gun, M2 Machine Gun and the capabilities to include many others. Three EST subsystems equal one system. **DESCRIPTION:**

Exhibit P-5, Weapon		Appropriation/ Budget Activity/Serial No: OTHER PROCUREMENT /Other Supp	udget Activit CUREMENT	propriation/ Budget Activity/Serial No: OTHER PROCUREMENT /Other Support		P-1 Line Iter Engageme	P-1 Line Item Nomenclature: Engagement Skills Trainer (EST) (NA0101)	EST) (NA0101)		Weapon System Type:		Date: February 2000	y 2000
	٦		Equipment										
	₽		FY 98			FY 99			F¥ 00			ı	
Cost Elements	CD		ğ		TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	-1	UnitCost
	П	000\$	Each	000\$	000\$	Each	\$000	\$000	Each	000\$	\$000	Each	000
A. Hardware (Subsystems)	В				3120	39	80	2160	27	80			
B. Contractor Engineering Support					128			213					
C. In-House Government Support					782			009					
D. Interim Contractor Logistics Support					117			81					

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TOTAL	_				4147			3054					

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	Exhibit P	Exhibit P-5a, Budget Procurement History and Planning	listory an	id Planning					F.	February 2000	
Appropriat	Appropriation / Budget Activity/Serial No:		Weapon System Type:	n Type:		P-1 Line Item Nomenclature:	Vomenclature:				
J	OTHER PROCUREMENT /Other Support Equipment						Engageme	Engagement Skills Trainer (EST) (NA0101)	ST) (NA010	1)	
WBS Cost Elements:	Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date Date of First	Date of First	αTY	Unit Cost	Specs Avail	Date RI Revsn	RFP Issue Date
Fiscal Years	52		and Type			Delivery	Each	\$000	_	Avail	
А. Нагф FY 99 FY 00	vare (Subsystems)	ECC Inc., Orlando, FL.	PFP Option	NAWC, Orlando, FL	Маг-00 Маг-00	Oct-00	27	80 80	8 %		
REMARK	Naval Air Warfare Center (NAWC) This contract is follow-on contract to the RDTE Contract awarded Delivery Site - Army Wide Ready for Training Date - 1Q01 Unit Costs based on quantities procured.		award date is	Nov 98. Revised award date is a result of a protest from a losing offeror.	sing offeror						

	_	Exhibit P-4(), Budget It	em Justific	Exhibit P-40, Budget Item Justification Sheet			Date:		February 2000		
Appropriation / Budget Activity/Serial No:	I No:					P-1 Item Nomendature:	ure:					
Б	OTHER PROCUREMENT /Other Support Equipment	T /Other Support Eq।	upment				Tank V	Tank Weapon Gun Sim Sys/Precision Gun Sys (TWGSS/PGS) (NA0101)	/Precision Gun Sys	(TWGSS/PGS) (NA	(0101)	
Program Elements for Code B Items:				Code:	Other Related Program Elements:	ram Elements:						
				∢			OMA - 115013	115013				
	Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Qty												
Gross Cost	24.4	18.6	9.5	19.1	15.6	35.3	0.0	0.0	0.0	0.0	0.0	122.4
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	24.4	18.6	9.5	19.1	15.6	35.3	0.0	0.0	0.0	0.0	0.0	122.4
Initial Spares												
Total Proc Cost	24.4	18.6	9.5	19.1	15.6	35.3	0.0	0:0	0.0	0.0	0.0	122.4
Flyaway U/C												
Wpn Sys Proc U/C												

DESCRIPTION:

machine guns and TOW Missiles). Aural effects are provided to crew along with sight obscuration. System has onboard display for crew evaluation (also built in sights and simulates burst over calculated impact point. System operates in real-time. System simulates the main guns (120MM, 105MM, 25MM, 7.62MM coax requiring crews to use fire control procedures as if firing live ammunition. System utilizes time of flight ballistics and target modeling incorporating aspect angle, training at platoon, company and battalion level during exercises. Device superimposes real-time tracer image over sight picture in gunner's and commander's An appended, laser-based device used for precision gunnery on Abrams Tanks (TWGSS) and Bradley Fighting Vehicles (PGS) gunnery tables day/night and test (bit), ammunition count, automatic alignment) and an After Action Review System. TWGSS/PGS is fully integrated with the vehicle's fire control system ammunition type, range, armor, tilt (forwards/backwards), cant (side/side), and defilade condition to determine target vulnerability. TWGSS/PGS improves crew/gunner's ability to destroy enemy tanks by replicating ballistics, probability of hit/probability of kill, and angle of kill when assessing target hits.

JUSTIFICATION:

1191/1147 TWGSS/PGS systems. The TWGSS/PGS trains active and reserve components precision gunnery training in support of the Army's combat capability. slump for the active component, National Guard and Army Reserves. Simulated non-firing crew drills, subcaliber firing, and actual main gun firing are the current Reduction in full caliber ammunition and OPTEMPO resource restrictions has increased the problem of annual peak gunnery proficiency followed by proficiency method of obtaining gunnery proficiency. This strategy peaks the vehicle crews during qualification exercises, but does not sustain the crew's gunnery skills. The FY01 funding continues production of the TWGSS/PGS program, and thru FY01 the program procures 1140/1044 of the approved total requirement of Thus, combat readiness degradation occurs in between peak gunnery periods.

Appropriation / Budget Activity/Serial No. Appropriation / Budget Activity/Serial No. OTHER PROCUREMENT / Other Support Equipment Code B Illems Other Related Program Elements for Code B Illems A Other Related Program Elements OMA - 115013 February 2000 For Itlem Nomendature Tank Weapon Gun Sin Sys/Practision Gun Sys (TWGSS/PGS) (NA0101) A Other Related Program Elements A Other Related Program Elements					Date
P-1 Item Nomenclature PROCUREMENT /Other Support Equipment Code Other Related Program Elements A	Exhibit P-40C Budget It	em Justifi	cation Sheet		February 2000
R PROCUREMENT /Other Support Equipment Code Other Related Program Elements A	Appropriation / Budget Activity/Serial No.		P-1 Item Nomenda	sture	
Code Other Related Program Elements A	OTHER PROCUREMENT /Other Support Equipment			Tank \	Weapon Gun Sim Sys/Precision Gun Sys (TWGSS/PGS) (NA0101)
A OMA-115013	Program Elements for Code B Items		Other Related Program Elements		
		∢		OMA -	115013

gunnery skills on a year round basis at any location (motor pool, local training area, major training area, armory). This ensures that the armor force maintains its and sustainment. With TWGSS/PGS we have, for the first time, the ability to analyze errors and make an accurate evaluation of the crew and unit gunnery capabilities, all without firing ammunition. Reduction in ammunition allocations, as a result of TWGSS/PGS fielding, saves \$24K per system per year. This is a The TWGSS/PGS, with its ability to be used anywhere, anytime, allows the active component, National Guard, and Army Reserve to continue to train and hone combat capability at all times. TWGSS/PGS is one of the cornerstones of the combined arms training strategy. It is the basis for much of the gunnery training return on investment in less than 28 months.

bit P-5,		Appropriation/ Budget Activity/Serial No:	dget Activity	/Serial No:		P-1 Line Item	P-1 Line Item Nomenclature:			Weapon System Type:		Date:	000
OPA Cost Analysis		OI HEK PAG	PROCUREMENT / June Equipment / 53702062	OTHER PROCUREMENT JOINET SUPPORT Equipment / 53702062		sank weap	Sys (TWGSS/PGS) (NA0101)	A0101)				Leona	3 2000
	۵		FY 98			FY 99			FY 00			FY 01	
Cost Elements	CD	TotalCost	aty	UnitCost	TotalCost	Qfy	UnitCost	TotalCost	Qty	UnitCost	TotalCost	_	UnitCost
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A. TWGSS	∢				7867	153	51	7320	133	55	13197	225	59
B. PGS	∢				8575	156	55	7506	128	59	13250	212	63
C. In-House Government Support					285			613			296		
D. Contractor Engineering Support					53			130			160		
E. ECPs					848			90			20		
F. Interim Contractor Logistics Support*											8000		
*Spares provided by SAAB under current contract. This support ends with final production. Initial spares need to be procured prior to transition to CLS umbrella contract.							***************************************						
FY99 Operational Rapid Response Tranfer Fund (ORRTF)					1447								
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тотаг					19075			15619			35253		
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-	Exhibit	Exhibit P-5a. Budget Procurement History and Planning	istory an	od Planning					Date:	February 2000	٤	
Appropri	Appropriation / Budget Activity/Serial No:	<u> </u>	Weapon System Type:	n Type:	ſ	P-1 Line Item	P-1 Line Item Nomenclature:					
ОТН	OTHER PROCUREMENT /Other Support Equipment / 53702062					Tank Weap	oon Gun Sim Sy	Tank Weapon Gun Sim Sys/Precision Gun Sys (TWGSS/PGS) (NA0101)	Sys (TWGS	S/PGS) (N	(A0101)	
WBS Co	WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	ΔI	Unit Cost	Specs Avail	Date Revsn	RFP issue Date	
Fiscal Years	ars		and Type			Delivery	Each	\$000		Avail		
A. TWGSS FY 99 FY 00 FY 01	SSS	SAAB Training Sys, Sweden	Option Option Option	NAWC, Orlando, FL	Dec-98 Dec-99 Oct-00	May-99 May-00 Mar-01	153 133 225	51 55 59	Yes Yes Yes			
B. PGS FY 99 FY 00 FY 01	(0)	SAAB Training Sys, Sweden	Option Option Option	NAWC, Orlando, FL	Dec-98 Dec-99 Oct-00	May-99 May-00 Mar-01	156 128 212	55 59 63	Yes Yes Yes			
REMARK	 Naval Air Warfare Center (NAWC) Delivery Sites - Army Wide Ready for Training Date - 3QFY95 Contract Type - C/FFP 											

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SAAB Training Sys, S	H	-	200	Q	300			Æ	REORDER		H				2	H	9	П	8		E S	Te is TK	o breat	There is no break in production or	duction	5
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COST ELEMENTS

A. TWGSS

FY 100 / 101 BUDGET PRODUCTION SCHEDULE

February 2000

Fiscal Year 03

Tank Weapon Gun Sim Sys/Precision Gun Sys (TWGSS/PGS) (NA0101)
Fiscal Year 02

Calendar Year 02

								Date:				
		Exhibit P-4	0, Budget It	em Justific	Exhibit P-40, Budget Item Justification Sheet					February 2000		
Appropriation / Budget Activity/Serial No:	al No:					P-1 Item Nomenclature:	ire:					
OTH	OTHER PROCUREMENT / 3 / Other Support Equipmen	/3/Other Support E	quipment					NSTD RANG	NSTD RANGE MODERNIZATION (NA0105)	N (NA0105)		
Program Elements for Code B Items:	ij			Code:	Other Related Program Elements:	am Elements:						
	Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Qty												
Gross Cost	5.6	19.2	2.4	11.8	19.4	5.2	0.0	0.2	13.5	18.6	0.0	95.9
Less PY Adv Proc										_ [
Plus CY Adv Proc												
Net Proc (P-1)	5.6	19.2	2.4	11.8	19.4	5.2	0.0	0.2	13.5	18.6	0:0	95.9
Initial Spares				,								
Total Proc Cost	5.6	19.2	2.4	11.8	19.4	5.2	0.0	0.2	13.5	18.6	0.0	95.9
Fiyaway U/C												
Wpn Sys Proc U/C												

DESCRIPTION:

Range Modernization consists of ranges that incorporate infantry and armor targets, both stationary and moving, that portray realistic opposing target threat to the mechanisms (infantry and armor, stationary and moving), control systems and interfaces to other training systems. NGATS equipment is typically portable, radio-American Soldier using simulated battlefield conditions. Range Modernization facilitates training in detection, identification, rapid engagement and proper leading combined arms training of M1 Tank and Bradley Fighting Vehicles, Aerial Gunnery, Cobra and Apache Attack Helicopter, Air Defense Artillery (ADA), and Vulcan. of moving targets under day/night conditions, all of which will be required in a fast moving war. The quantities of each component are tailored to the range configuration of which there are currently 14 different types. Range designs provide training for the basic and advanced rifle marksmanship programs and The training ranges can be operated by an operator-programmer via a computer-controlled console located in the range tower or by a hand-held receiver transmitter. New Generation Army Target System (NGATS) supports the Army's Range Modernization initiatives. The system consists of live-fire target controlled and commercially available.

JUSTIFICATION:

The FY01 program supports procurement and in-house support for range targetry on four armor ranges and one infantry range. An armor range consists of a range control station and varying quantities of infantry, stationary and moving armor targets, and simulators. An infantry range typically consists of a range control station and varying quantities of infantry targets and simulators.

bit P-5,		Appropriation/ Budget Activity/Serial No:	Sudget Activi	Appropriation/ Budget Activity/Serial No:		P-1 Line Iter	P-1 Line Item Nomenclature: NSTD RANGE MODERNIZATION (NA0105)	TION (NA0105)		Weapon System Type:		Date: February 2000	, 2000
OPA Cost Analysis		OILIENTRO	Equipment	s, carer capport				(
	Ω		FY 98			FY 99			FY 00			_	
Cost Elements	C	TotalCost	Н	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qfy	UnitCost	TotalCost		UnitCost
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A. Pneumatic Ranges B. GSA Ranges					1868 1872	ပ ပ	311				-		
C. Range Control Stations			, 		48	7 7	24	364	5,	28	84	ю	28
					322 1908	477	4 4	42 1980		<u>4</u> 6	882	292	က
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G. Stationary Armor Target H. Moving Armor Target					1104	138	8 8	1700		83.0	1615	9 6	8
I. Moving Infantry Target					627	33	19	1121		19	708	59	<u>5</u> 6
K. Miles Short Back Device					3	1		204	204				
L. Muzzie riash Simulator M. Battle Effects Simulator								2	٠	-	100	25	4
N. Hit Detection Device					582	97	9	920	126	2	515	103	S.
					108		6						
Q. Armor Moving Target Carrier Retrofit								7480	136	55			
S. Engineering Support					349			588			232		
T. Quality Assurance					08.F			DC I			C)		
TOTAL					11795			19379			5157		
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								Date:		
Exhibit P.	Exhibit P-5a, Budget Procurement History and Planning	listory an	d Planning					F	February 2000	0
Appropriation / Budget Activity/Serial No:		Weapon System Type:	η Type:		2-1 Line Item	P-1 Line Item Nomenclature:				
OTHER PROCUREMENT./3/Other Support Equipment						NSTD RAN	NSTD RANGE MODERNIZATION (NA0105)	ION (NA01		
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date Date of First	Date of First	αпу	Unit Cost	Specs Avail	Date Revsn	RFP Issue Date
Fiscal Years		and Type			Delivery	Each	\$000	Now?	Avail	
A. Pneumatic Ranges FY 99	Action Target, Provo, Utah	Option	TACOM, Rock Island, IL	Mar-99	66-unc	9	311	Yes		
B. GSA Ranges FY 99	Caswell International, Min., MN	CFFP	TACOM, Rock Island, IL	Mar-99	99-un	9	312	Yes		
C. Range Control Stations FY 99 FY 00 FY 01	Caswell International, Min., MN	CFFP Option Option	TACOM, Rock Island, IL	Mar-99 Jan-00 Jan-01	Jun-99 May-00 May-01	3 2 8	24 28 28	Yes		
D. Hand Held Controller FY 99 FY 00	Caswell International, Min., MN	CFFP	TACOM, Rock Island, IL	Mar-99 Jan-00	Jun-99 May-00	33	<u> 4</u> 4	Yes		
E. Stationary Infantry Mechanism FY 99 FY 00 FY 01	Caswell International, Min., MN	CFFP Option Option	TACOM, Rock Island, IL	Mar-99 Jan-00 Jan-01	Jun-99 May-00 May-01	477 660 295	4 w w	Yes		
F. Double Stationary Infantry Mech FY 00 FY 01	Caswell International, Min., MN	CFFP	TACOM, Rock Island, IL	Jan-00 Jan-01	May-00 May-01	350	4 4	Yes	····	
G. Stationary Armor Target FY 99 FY00 FY01 REMARK	Caswell International, Min., MN	CFFP Option Option	TACOM, Rock Island, IL	Mar-99 Jan-00 Jan-01	Jun-99 May-00 May-01	138 125 86	& & &	Yes		

		,	!					Date:	;	
	Exhibit P-5a, Budget Procurement History and Planning	listory an	id Planning					4	February 2000	00
Appropriation / Budget Activity/Serial No:		Weapon System Type:	n Type:		P-1 Line Item	P-1 Line Item Nomenclature:				
OTHER PROCUREMENT / 3 / Other Support Equipment						NSTD RAN	NSTD RANGE MODERNIZATION (NA0105)	TION (NA0	105)	
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date Date of First	Date of First	ατγ	Unit Cost	Specs Avail	Date F Revsn	RFP Issue Date
Fiscal Years		and Type			Delivery	Each	\$000	Now?	Avail	
H. Moving Armor Target		0,110	II Parelel Area MOOVI	00 74	9	4.7	60			
FY 99	Casweii international, Min., Min	r i	I ACOIM, ROCK ISIANO, IL	Og-len	May-00	20 -	92 82	ß		
FY 01		Option		Jan-01	May-01	19	82			
Manipus Inforthy Toront										
i. Moving inlanily ranger	Caswell International Min MN	GFFD	TACOM: Rock Island: IL	Mar-99	Jun-99	33	19	Yes		
FY 00		Option		Jan-00	May-00	20	19			
FY 01		Option		Jan-01	May-01	29	12			
Carried Effects Circuit Char										
J. Sound Ellects Simulator FY 99	Caswell International. Min.: MN	CFFP	TACOM. Rock Island. IL	Mar-99	96-unf	22	e	Υes		
FY 00		Option		Jan-00	May-00	64	m			
FY 01		Option		Jan-01	May-01	45	m			
Miles Shoot Back Device										
FY 00	Caswell International, Min., MN	Option	TACOM, Rock Island, IL	Jan-00	Jun-00	204	-	Yes		
L. Muzzle Flash Simulator										
FY 00	Caswell International, Min., MN	Option	TACOM, Rock Island, IL	Jan-00	Jun-00	103	_	Yes		
application of the control of the co										
M. Datus Ellects Officiald FY 01	Caswell International, Min., MN	Option	TACOM, Rock Island, IL	Jan-01	May-01	25	4	Yes		
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REMARK										

Exhibit F	Exhibit P-5a, Budget Procurement History and Planning	listory ar	nd Planning					T	February 2000	8
Appropriation / Budget Activity/Serial No:		Weapon System Type:	n Type:		P-1 Line Item Nomenclature:	vomenclature:				
OTHER PROCUREMENT / 3 / Other Support Equipment						NSTD RAN	NSTD RANGE MODERNIZATION (NA0105)	ON (NAD	05)	
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Award Date Date of First	αīγ	Unit Cost		Date Revsn	RFP Issue Date
Fiscal Years		and Type			Delivery	Each	\$000	Now?	Avail	
N. Hit Detection Device FY 99 FY 00 FY 01	Caswell International, Min., MN	Option	TACOM, Rock Island, IL	Mar-99 Jan-00 Jan-01	Jun-99 May-00 May-01	97 126 103	ນ ວ	Yes		
O. Ft. Knox Urban Training Range FY 99	Corps of Engr, Louisville, KY	SS/FFP	TACOM, Rock Island, IL	Mar-99	66-Inc	~	1400	Yes		
P. Ft. Riley Heavy Lifters FY 99	Caswell International, Min., MN	CFFP	TACOM, Rock Island, IL	Mar-99	66-unr	12	o	Υes		
Q. Armor Moving Target Carrier Retrofit FY 00	7BS	CFFP	TACOM, Rock Island, IL	May-00	Oct-00	136	22	Yes		
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REMARK						,				

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 Q. Armor Moving Target Carrier Ret 	7	FY00	A	136	0	136			Н			\dashv	4	\dashv			9	8 10	7	-	4	± .	14 14	<u>+</u>	<u> </u>		
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		Exhibit P-40, Bud	0, Budget It	em Justific	get Item Justification Sheet					February 2000		
Appropriation / Budget Activity/Serial No:	ol No:					P-1 Item Nomenclature:	ıre:	:				
ОТН	OTHER PROCUREMENT / 3 / Other Support Equipment	/3/Other Support E	quipment					CLOSE COMB/	CLOSE COMBAT TACTICAL TRAINER (NA0170)	NER (NA0170)		
Program Elements for Code B Items:	S:			Code:	Other Related Program Elements:	am Elements:						
				∢			OMA -115013/121014	13/121014				
	Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Qty												
Gross Cost	93.5	45.3	74.3	6'28	64.7	81.2	35.0	7.7	0.0	0.0	0.0	489.6
Less PY Adv Proc			18.9									18.9
Plus CY Adv Proc		18.9										18.9
Net Proc (P-1)	93.5	64.2	55.4	87.9	64.7	81.2	35.0	7.7	0.0	0.0	0.0	489.6
Initial Spares												
Total Proc Cost	93.5	64.2	55.4	87.9	64.7	81.2	35.0	7.7	0.0	0.0	0:0	489.6
Flyaway U/C												
Wpn Sys Proc U/C												
DESCRIPTION: Close Combat Tactical Trainer (C)	- tedmon eac	Pactical Train		s a network	ed system of	manned sin	Tar (Tar	k Bradley	FIST-V HM	MWV, M113	TT) is a networked system of manned simulators (Tank Bradley FIST-V HMMWV M113A3) supported by	d by

simulator modules, which are based on the locations of AC divisions and regiments, and will service both AC and RC units. The CCTT fixed facility contains: a battalion level combat elements of close combat units of both the Reserve Component (RC) and Active Component (AC) in their collective tasks. The Army will Rooms (AARs); two Semi-Automated Forces (SAF) Rooms (Blue and Red) each containing five SAF workstations; Maintenance Control Console (MCC) Room; and a Master Console (MC). The mobile platoon sets contain 4 simulator modules in the tank platoon version and 5 simulator modules in the infantry/cavalry field simulator modules to populate 8 fixed company-level production sites and 9 mobile platoon-level sets. Each fixed system will contain a maximum of 40 platoon version. Dedicated to the RCs, these mobile systems will be based out of AC installation Training Support Centers (TSCs) but will travel to RC unit simulation bay, sized to accommodate from 27 to 40 manned modules; an Observer Control (OC) and a Tactical Operation Center (TOC); five After Action emulators and semi-automated forces that provide combat support, combat service support and both friendly and opposing forces. It trains crew through DESCRIPTION: Close Combat Lactical Trainer (CCLL) is a networked system of manned simulators (Tank, bradiey, Fisharmories for training at home station.

XXI and will integrate the Army's advanced close combat heavy battalion task force and below into the CCTT virtual training system, and supports Digitized Battle In order to train the new digitized force, CCTT will incorporate the Force XXI digitized Battle Command systems. This digital expansion of CCTT is called CCTT Command and Staff training for brigade and below. CCTT XXI also provides the unique capability to support the development, experimentation and testing of Force XXI Tactics, Techniques and Procedures (TTPs) and the validation of emerging Force XXI concepts and Battle Command system capabilities in a combined arms battlefield environment prior to the investment in costly live exercises.

		Date	
Exhibit P-40C Budget Item Justification Sheet	stification Sheet		February 2000
Appropriation / Budget Activity/Serial No.		P-1 Item Nomenclature	
OTHER PROCUREMENT / 3 / Other Support Equipment		CLOS	CLOSE COMBAT TACTICAL TRAINER (NA0170)
Program Elements for Code B Items Code	Other Related Program Elements	ram Elements	
≺		OMA -115013	

JUSTIFICATION: FY01 funding is for the production of mobile tank and Bradley configurations and fixed site assets. Funding for FY01 provides production buys Infantry (DI) improvements, Multi Purpose Anti-tank Munitions (MPAT), vehicular intercommunications system (VIS), and High Level Architecture (HLA). Fielding schedules have been established to support the AC and RC in training the total Combined Arms Force as a simulated, fully interactive battlefield. The need is to train and sustain collective (crew through battalion) tasks and skills in command and control, communications and maneuver, and to integrate the functions of of 54 fixed site modules and 5 mobile modules. FY01 funds Engineering Change Proposals (ECPs) to upgrade CCTT with modification kits for Dismounted combat support and combat service support units. These production systems support urgent training requirements of Army to redress the lack of training opportunity for platoon/company team elements. Initial Test and Evaluation (IOT&E) completed May 1998. Milestone III was approved November 1998. The FY01 funding also procures equipment to provide the digitized force both a robust virtual combined arms environment that supports training and a continuous experimentation environment that supports development across the spectrum of Doctrine, Training, Leader Development, Organizations, Materiel, and Soldiers (DTLOMS). FY01 OPTEMPO funding has been reduced based on the fielding of CCTT.

DELIVERY SITES AND READY FOR TRAINING DATES (RFT):

	Tank / Bradley Tank / Bradley Tank Bradley
RFT	Jul 99 Sep 00 Aug 01 Aug 02
Mobile Sites	Leesburg Knoxville San Luis Opispo San Luis Opispo
RFT	Feb 99 Aug 99 Mar 00 May 00 Jan 01 Jul 01 Feb 02 Jun 02
Fixed Sites	Knox Benning Stewart Hood Carson Riley USARUER EUSA

bit P-5,	•	Appropriation/ Bu	Budget Activity/Serial No:	Serial No:		P-1 Line Iten	P-1 Line Item Nomenclature:			Weapon System Type:		Date:	
OPA Cost Analysis		OTHER PROCU	KEMEN 1 / 3 Equipment	CUREMEN I / 3 / Otner Support Equipment		CLOSE	CLOSE COMBAT TACTICAL TRAINER	AL I KAINEK				February 2000	3 2000
	₽		FY 98			FY 99			FY 00			FY 01	
Cost Elements	8	TotalCost	O.	UnitCost	TotalCost	ð	UnitCost	TotalCost	Öţ	UnitCost	TotalCost	-	UnitCost
		\$000	Each	\$000	000\$	Each	000\$	\$000	Each	\$000	\$000	Each	\$000
A. MODULES & SITE EQUIPMENT	∢				48591	09	810	36017	47	766	44950	59	762
B. COMMERCIAL TRAILERS	∢				3250	0	361	1478	4	370	1838	2	368
C. COMMERCIAL IMAGE GENERATORS	∢	•			22209	06	247	12500	56	223	16103	79	204
D. PRODUCTION ENGINEERING AND PMO SUPPORT BY STRICOM/NAWC-TSD					2689			2776			2749		
E. PRODUCTION ENGINEERING SUPPORT BY CONTRACTORS					1653			1415			1482		
F. PRODUCTION ENGINEERING SUPPORT BY GOVT. AGENCIES					1702	·		551			480		
G. ENGINEERING CHANGE PROPOSALS					2981			1030			3559		
H. IMAGE GENERATOR/PROCESSOR UPGRADES FOR FIELDED MODULES					1100			372			2730		
I. SOFTWARE MAINTENANCE SUPPORT					1771			4146			4417		
J. FORCE XXI DIGITIZATION UPGRADES								1500			742		
K. INTERIM CONTRACTOR LOGISTIC SPT					2000			2928			2110		
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тотац					87946			64713			81160		

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	Exhibit F	Exhibit P-5a, Budget Procurement History and Planning	History ar	nd Planning						February 2000	8
Appropriat	Appropriation / Budget Activity/Serial No:		Weapon System Type:	m Type:		P-1 Line Item Nomenclature:	Vomenclature:				
5	OTHER PROCUREMENT / 3 / Other Support Equipment						CLOSE COM	CLOSE COMBAT TACTICAL TRAINER (NA0170)	AINER (NA	0170)	
WBS Cost Elements:	Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Award Date Date of First	Ϋ́	Unit Cost	Specs	Date Revsn	RFP Issue Date
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A. MOD FY 99	A. MODULES & SITE EQUIPMENT FY 99	Lockheed Martin Info System	C/FFP	NAWC, Orlando, FL	Jan-99	Aug-99	09	810			
FY 00		Orlando, FL Lockheed Martin Info System	C/FFP	NAWC, Orlando, FL	Dec-99	Aug-00	47	992			
FY 01		Orlando, F.L. Lockheed Martin Info System Orlando, El	C/FFP	NAWC, Orlando, FL	Nov-00	Aug-01	59	762			
	C. COMMERCIAL IMAGE GENERATORS		į	i			1				
} }		Evans & Sutherland Salt Lake City. UT	<u>դ</u>	NAWC, Orlando, FL	Feb-00	Aug-00	20	223			
FY 01		Evans & Sutherland Salt Lake City, UT	FFP	NAWC, Orlando, FL	Nov-00	Aug-01	62	204			
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REMARK	NAWC = Naval Air Warfare Center								1	1	
	Delivery Sites = Army Wide										
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	C. COMMERICAL IMGAGE GENERATORS - FY00 is the first year of a separate contract buy.	FY00 is the first year of a separate c	contract buy.								

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Appropriation / Budget Activity/Serial No:	al No:					P-1 Item Nomendature:	re:					
Ь	HER PROCUREMENT	OTHER PROCUREMENT / 3 / Other Support Equipment	=quipment				¥	VIATION COMBINE	AVIATION COMBINED ARMS TACTICAL TRAINER (NA0173)	TRAINER (NA0173)	(
Program Elements for Code 8 Items:	S:			Code:	Other Related Program Elements:	am Elements:						
w a.	64780			æ								
	Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Qty												
Gross Cost	0.0	0.0	0.0	0.0	0.0	14.7	38.7	39.3	40.2	41.0	0.0	173.9
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	0.0	0.0	0.0	0.0	0.0	14.7	38.7	39.3	40.2	41.0	0.0	173.9
Initial Spares												
Total Proc Cost	0:0	0.0	0.0	0.0	0.0	14.7	38.7	39.3	40.2	41.0	0.0	173.9
Flyaway U/C												
Wpn Sys Proc U/C												

the AC and RC. A single suite of equipment consists of six (6) reconfigurable networked simulators that support the AH-64A/D, UH-60A/L, CH-47D, OH-58D, UH-1H and AH-1F platforms. Supporting roleplayer, semi-automated blue and opposing forces (SAF), and after action review (AAR) workstations are also provided as part of each aviation units to conduct collective task training on a real-time, computerized battlefield in a combined arms scenario. Other required elements that are present on the DESCRIPTION: The Aviation Combined Arms Tactical Trainer—Aviation Reconfigurable Manned Simulator (AVCATT-A) is an Army aviation training system for both suite. AVCATT-A is a fully mobile system, capable of utilizing shore and generator power and is deployable worldwide. The AVCATT-A system will permit various modern, high intensity battlefield, such as the combat support and combat service support elements are an integral part of the simulation database. AVCATT-A is designed to provide realistic, high intensity collective and combined arms training to aviation units.

interoperable combined exercises. Field training exercises are increasingly constrained by high cost, environmental and safety restrictions, limited maneuver areas and training deficiencies. The Basis of Issue totals 18 suites (12 Active Army suites and 6 Reserve Component suites). The existing aviation simulation training capability JUSTIFICATION: The FY 01 funding provides a Low Rate Initial Production (LRIP) suite consisting of 6 reconfigurable networked simulators to overcome the current does not fully support the Aviation Combined Arms Training Strategy due to limited realism, intensity, and integration provided in the current environment to prepare ranges, and inadequate threat/target representations. Neither are capable of realistically simulating the joint/combined arms battlefield, providing effective joint task force/combined arms training, or supporting mission rehearsal in a joint/combined arms environment. Due to the increasing constraints on live gunnery training, aviation to operate effectively on the joint/combined arms battlefield. Existing simulation is limited primarily to individual/crew trainers that are not designed for simulation must be used to work through primary and secondary weapon systems training deficiencies on utility and attack aircraft.

OPA Cost Analysis		Appropriation budget Activity Serial No. OTHER PROCUREMENT / 3 / Other Su Equipment	dget Activity REMENT / ? Equipment	Appropriation budget Activity 3 and 1 vo. OTHER PROCUREMENT / 3 / Other Support Equipment		P-1 Line Itel	P-1 Line Item Nomenclature: AVIATION COMBINED ARMS TACTICAL TRAINER (NA0173)	MS TACTICAL		Weapon System Type:		Date: Febru	February 2000
	₽		FY 98			FY 99			FY 00			FY 01	
Cost Elements	8	TotalCost	ð	UnitCost	TotalCost	ģ	UnitCost	TotalCost	Oth	UnitCost	TotalCost	Qty	UnitCost
	П	\$000	Each	\$000	000\$	Each	\$000	000\$	Each	000\$	000\$	Each	\$000
A. AVCATT-A SUITES											13453	-	13453
B. PRODUCTION ENGINEERING AND PMO SUPPORT BY STRICOM/NAWC-TSD											410		
C. PRODUCTION ENGINEERING SUPPORT BY CONTRACTORS											74		
D. PRODUCTION ENGINEERING SUPPORT BY GOVT. AGENCIES											45		
E. INTERIM CONTRACTOR LOGISTIC SUPPORT											762		
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TOTAL											14744		

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Contractor and Location Contractor and L	Exhibit	P-5a, Budget Procurement h	History a	nd Planning						February 2	000
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CATT-A SUITES Raytheon Systems Company FPIF MAVVC, ORLANDO, FL Mov-O0 Dec-O1 1 13453 Yes Addington, TX Mov-O0	WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	ατΥ	Unit Cost	Specs Avail		RFP Issue Date
Raytheon Systems Company FPIF NAWC, ORLANDO, FL Nov-00 Dec-01 1 13453 Yes Arlington, TX Arlington, TX	Fiscal Years		and Type			Delivery	Each	\$000	Now?		
Raytheon Systems Company FPIF NAWC. ORLANDO, FL Nov-00 Dec-01 1 13453 Yes	A. AVCATT-A SUITES										
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REMARKS: Suite delivery scheduled for Dec 01 to Eastover, SC.

Contract option for a Low Rate Initial Production (LRIP) suite will be exercised subsequent to the RDT&E Suite 1 progress assessment (currently scheduled for mid 4QFY00). This suite is required to provide an initial production base for the system, to permit an orderly increase in the production rate, and to ensure that economic savings are preserved.

							P-1 Item Nomenclature:	n Non	encla	ture:										Date:	je E				١			Γ
FY 100 / 101 BUDGET PRODUCTION SCHEDULE	OUCTION	SSN	HEDG					A	NATIO	AVIATION COMBINED ARMS TACTICAL TRAINER (NA0173)	SINED	ARMS	TACTI	AL T	MINE	(NAO	(62							Febru	February 2000	٥		
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	Ä	hibit P-40,	, Budget It	em Justifi	Exhibit P-40, Budget Item Justification Sheet	et				February 2000		
Appropriation / Budget Activity/Serial No:	//Serial No:					P-1 Item Nomendature:	fature:					
ОТНЕ	OTHER PROCUREMENT	I / 3 / Other Support Equipment	xt Equipment				FIRE	FIRE SUPPORT COMBINED ARMS TACTICAL TRAI (NA0174)	SINED ARMS TAC	TICAL TRAI (NAC	1174)	
Program Elements for Code B Items:	3 Items:			Code:	Other Related Program Elements:	ogram Elements:						
	654715			æ			OMA - 115013	115013				
	Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2005 To Complete Total Prog	Total Prog
Proc Qty												
Gross Cost	0.0	22.0	5.7	15.7	24.4	1.5	0.0	0.0	0.0	0.0	0.0	69.3
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	0.0	22.0	5.7	15.7	24.4	1.5	0.0	0.0	0.0	0.0	0.0	69.3
Initial Spares												
Total Proc Cost	0:0	22.0	5.7	15.7	24.4	1.5	0.0	0.0	0.0	0.0	0.0	69.3
Flyaway U/C												
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operational training modes. In the past, field artillery gunnery team training has been conducted through the use of live fire exercises which lack trainer interface. Each FSCATT Phase I training sub-system is capable of being configured to support stand-alone, interactive, and closed-loop performance and produces After Action Review Reports. FSCATT Phase I consists of the following four elements: a simulator that replicates ammunition expenditure and travel related Petroleum, Oil, and Lubricants (POL) costs. Fiscal constraints through FY03 mandate a significant gunnery team. FSCATT Phase I provides individual and crew-level skills training. FSCATT Phase II will be a collective trainer that simulates feedback in individual skills, crew drills, and partial unit drills in executing indirect fire missions. FSCATT Phase I monitors activities, records DESCRIPTION: The Fire Support Combined Arms Tactical Trainer (FSCATT) is a two-phased effort to provide training for the field artillery fire support within the combined arms tactical trainer. The goal of FSCATT Phase I is to exercise the artillery gunnery team in realistic fire an actual M109A5/A6 self-propelled howitzer turret; a fire direction center simulator; a collective training controller, and a forward observer reduction of ammunition resources for training units. Reduced training resources and increasing ammunition costs prohibit firing sufficient missions with a reduction in expenditure of ammunition and related operational costs. FSCATT Phase I provides battery-level training and realism due to safety constraints (e.g. no enemy maneuver or fire). This training is costly in terms of range suitability and availability, quantities of ammunition to attain/sustain the required level of field artillery gunnery team proficiency.

JUSTIFICATION:

FY01 funds will provide for final engineering changes to FSCATT to interface with the digitization of communications software. Funds will also be used for contract closure.

Exhibit P-5, Weapon	⋖	Appropriation/ Budget Activity/Serial No: OTHER PROCUREMENT / 3 / Other	Budget Act CUREMEN	ivity/Serial No: T / 3 / Other	-	P-1 Line Item FIRE SUPI	P-1 Line Item Nomenclature: FIRE SUPPORT COMBINED ARMS	a: VED ARMS	-	Weapon System Lype:		Date: Febru	i: February 2000
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	₽		FY 98			FY 99			FY 00			FY 01	
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A. Howitzer Crew Trainer M109A5 B. Howitzer Crew Trainer M109A6 C. Collective Training Control System D. Award Fee E. Site Installation Costs F. In-House Government Support G. Data/Documentation H. Interim Contractor Logistic Support I. Contractor Engineering Support J. ECPs					10016 1667 400 769 185 1426 165	30 16	37	21440 400 748 165 1545 116	9-	1340	595 125 737		
TOTAL					15728			24414			1457		

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	Exhibit	P-5a, Budget Procurement History and Planning	HISTORY	and Planning					ğ	February 2000	
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WBS Cost Elements:	ents:	Contractor and Location	Contract	Location of PCO	Award Date	Date of First	ατ	Unit Cost	Specs Avail F	Date RF Revsn	RFP Issue Date
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A. Howitzer FY 99	A. Howitzer Crew Trainer M109A5 FY 99	Raytheon, Orlando, FL	FPAF Option	NAWC, Orlando, FL	Feb-99	May-00	16	626	Yes		
B. Howitzer FY 00	B. Howitzer Crew Trainer M109A6 FY 00	Raytheon, Orlando, FL	FFP Option	NAWC, Orlando, FL	Jan-00	Oct-01	16	1340	Yes		
REMARKS:	Naval Air Warfare Center (NAWC) Delivery Sites - Army Wide Ready for Training Date - 3QFY00 (Lot III)	(Lot III)									

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		Exhibit P-40, Budget		em Justific	Item Justification Sheet		-	Date:		February 2000		
Appropriation / Budget Activity/Serial No:	al No:					P-1 Item Nomendature:	18:					
Ю	OTHER PROCUREMENT / 3 / Other Support Equipment	7/3/Other Support E	quipment					CALIBRATIC	CALIBRATION SETS EQUIPMENT (N10000)	IT (N10000)		
Program Elements for Code B Items:	Š.			Code:	Other Related Program Elements:	am Elements:						
				∢								
	Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Qty												
Gross Cost	0.0	0.0	6.1	8.6	11.4	18.8	15.9	16.6	17.7	17.7	Cont	Cont
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	0.0	0.0	6.1	9.6	11.4	18.8	15.9	16.6	17.7	17.7	Cont	Cont
Initial Spares												
Total Proc Cost	0.0	0.0	6.1	9.8	11.4	18.8	15.9	16.6	17.7	17.7	Cont	Cont
Flyaway U/C												
Won Svs Proc U/C												

traceability to standards established and maintained by the U.S. National Institute of Standards and Technology. The AN/GSM-286 and AN/GSM-287 Calibration Sets DESCRIPTION: Calibration Sets Equipment comprises calibration standards (hardware), accessories, and repair equipment required to perform the Army-wide test, and the Reference Calibration Sets are an integral part of the Army calibration system and are used by direct support/general support maintenance units worldwide. measurement, and diagnostic equipment (TMDE) calibration and repair mission. This equipment provides for accuracy verification of TMDE by maintaining legal This program supports the TMDE required to assure the operability, accuracy, and effectiveness of Army weapon systems.

state-of-the-art equipment required to ensure advanced technology weapon systems such as the Multiple Launch Rocket System, Apache, Bradley Fighting Vehicle, and workstations, hydraulic pressure standards, and a 100 thousand-pound force calibration system to replace obsolete equipment which is becoming unsupportable and is Patriot are maintained in the proper state of readiness. The type IV power meters and synthesized sweep generators being procured during this period will extend the accuracy reference level calibration capability for the transfer level improved Electro-Optics Test Set (EOTS) as well as existing EOTSs and optical fiber power meters. capabilities of the calibration sets and allow transfer of some workloads to lower echelon calibration laboratories with both time and monetary savings. The photonics very expensive to maintain. The Calibration Sets Equipment funding provides for replacement of obsolete and worn-out calibration standards and for procurement of transfer standards and infrared cameras are required to support new and emerging photonics test equipment, and the electro-optics calibration workstation adds high JUSTIFICATION: The FY 2001 funds will be used to procure microwave frequency counters, function generators, load cell sets, digitizing oscilloscopes, oscilloscope Procurement of a downsized calibration set with upgraded capabilities will begin in FY 2001. This redesigned calibration set will alleviate the serious deployability, mobility, and survivability shortfalls with the current tactical calibration sets and will produce significant operations and support cost savings.

bit P-5,		Appropriation/ Budget Activity/Serial No:	udget Activity	dget Activity/Serial No: REMENT / 3 / Other Support		P-1 Line Iten	P-1 Line Item Nomenclature:	MENT (N10000)		Weapon System Type:		Date: Febru	February 2000
OPA Cost Analysis			Equipment	nodelo puro d									,
	Ω		FY 98			FY 99			FY 00			FY 01	
Cost Elements	O O	TotalCost	Qty	UnitCost	TotalCost	Qfy	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		000\$	Each	000\$	000\$	Each	\$000	\$000	Each	000\$	\$000	Each	\$000
Hardware: Attenuator Calibrator Wattmeter RF Amplifier Instrument Controller X-Ray Calibration Measurement System M41 PATS Calibration and Repair System Gage Block Sets (Transfer) Force/Torque Calibration System (APSL/Ref) Hydraulic Pressure Standard Photonics Transfer Standards Infrared Camera Synthesized Sweep Generator High Power RF Calibrator Force/Torque Calibration System (Transfer) Auto Switched Bandpass Filters Precision Digital Thermometer Dimensional Calibrator Liquid Flow Calibration System RF Amplifier with Filters Gage Block Sets (Metric) Calorimeter	44444444444444444				539 1112 1048 2045 210 476 304 929 2245 127 1051	79 31 262 1 1 101 2 2 2 2 2 2 55	7 36 2105 210 3 3 16 4 64 64 64 64 64	1090 347 1536 560 225 462 350 175 255 255	69 55 44 138 142 142 143 143 143 143 143 143 143 143 143 143	ω τ	420 1875 1125 1540	04 t t t t t t t t t t t t t t t t t t t	11 125 75 71
TMDE Management Software Electro-Optics Test Set Modernization Function Generator Electronic Filter Tachometer Calibrator Type IV Power Meter Microwave Frequency Counter HP8902 Reference Upgrade Electro-Optics Calibration Workstation Load Cell Sets Digitizing Oscilloscope Oscilloscope Workstation (VXI) Flow Computer System 100K Ib Force Calibration System CALSET 2000 Calibration Set Acquisitions Totaling Less than \$200,000 Contractual Engineering/Support New Equipment Training	44444444444				1055 120 1750 200 9751			1200 85 1032 272 274 150 1900 150 1358		8 4 1 E	225 585 154 420 977 776 776 640 300 260 1455 1300 255 1300 694 150 1900 1900	255 30 30 47 47 47 47 47 47 47 47 47 47 47 47 47	21 11 10 130 130 100 1000

Exhibit P	Exhibit P-5a, Budget Procurement History and Planning	istory ar	nd Planning					Date:	February 2000	00
Appropriation / Budget Activity/Serial No: OTHER PROCI IREMENT / 3/ Other Sunnor Equipment		Weapon System Type:	m Type:	Ω.	-1 Line Item I	P-1 Line Item Nomenclature: CALIBRATI	nenclature: CALIBRATION SETS EQUIPMENT (N10000)	MENT (N1	(0000	
WBS Cost Elements:	Contractor and Location	Contract	Location of PCO	Award Date Date of First	ate of First	λĘ	Unit Cost	Specs	Date	RFP Issue
Fiscal Years		and Type			Delivery	Each	\$000	Now?	Avail	
Attenuator Calibrator FY 99	Axion Corp, Huntsville, AL	C/Option AMCOM	АМСОМ	Dec-98	96-Inc	62	7	>		
Wattmeter RF Amplifier FY 99	Antenna Research, Beltsville, MD	C/Option AMCOM	АМСОМ	Jan-99	Apr-99	31	98	>		
Instrument Controller FY 99	Dynamic Engineering, Newport News, VA	C/Option AMCOM	АМСОМ	Dec-98	96-Inf	262	4	>		
X-Ray Calibration Measurement System FY 99	Pantak, Inc., East Haven, CT	C/FP	АМСОМ	Mar-99	96-InC	₹-	205	>		
M41 PATS Calibration and Repair System FY 99	TSI, Inc., Shoreview, MN	SS/FP	АМСОМ	Mar-99	Oct-99	4	210	>		
Gage Block Sets (Transfer) FY 99	Tool and Gage House Co, Charlotte, NC	C/FP	АМСОМ	Apr-99	Oct-99	166	ന	>		
Force/Torque Calibration System (APSL/Ref) FY 99	Spectris Tech, Norcross, GA	MIPR	Air Force	Mar-99	Apr-99	19	91	>		
Hydraulic Pressure Standard FY 99 FY 01	DH Instruments, Tempe, AZ DH Instruments, Tempe, AZ	C/FP C/FP	AMCOM AMCOM	Dec-98 Dec-00	Apr-99 Mar-01	101	9 11	> -	ΝΆ	FSS

REMARKS:

This item was funded in OPA2 prior to FY 1998.

Numerous items are procured under the Calibration Sets Equipment program. Only those acquisitions totaling \$200,000 or more are being identified individually.

FSS in the RFP Issue Date column indicates an item planned for procurement through a General Services Administration Federal Supply Schedule.

The M41 PATS Calibration and Repair System was procured sole source to ensure compatibility with equipment previously procured from the same manufacturer.

Exhibit P	Exhibit P-5a, Budget Procurement History and Planning	listory ar	nd Planning					Date:	February 2000	8
Appropriation / Budget Activity/Serial No:		Weapon System Type:	n Type:		P-1 Line Item Nomenclature:	lomenclature:				
OTHER PROCUREMENT / 3 / Other Support Equipment						CALIBRATI	CALIBRATION SETS EQUIPMENT (N10000)	IENT (N1	(000	
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	άTΥ	Unit Cost	Specs Avail	Date Revsn	RFP Issue Date
Fiscal Years		and Type			Delivery	Each	\$000	Now?	Avail	
Photonics Transfer Standards FY 99 FY 01	Dynetics, Inc., Huntsville, AL Dynetics, Inc., Huntsville, AL	C/Option AMCOM	АМСОМ АМСОМ	Mar-99 Dec-00	May-99 Mar-01	15	123	>		
Infrared Camera FY 99 FY 01	Cincinnati Elect, Mason, OH Cincinnati Elect, Mason, OH	C/Option AMCOM	AMCOM	Dec-98 Dec-00	Mar-99 Mar-01	2 5	64 75	>		
Synthesized Sweep Generator FY 99 FY 00	Anritsu Wiltron, Gaithersburg, MD Anritsu Wiltron, Gaithersburg, MD Anritsu Wiltron, Gaithersburg, MD	MIPR MIPR MIPR	Navy Navy Navy	Feb-99 Dec-99 Dec-00	May-99 Mar-00 Mar-01	55 63 89	19 71 71	> >		
High Power RF Calibrator FY 99 FY 00	Bird Electronics, Solon, OH Bird Electronics, Solon, OH	C/FP AMCOM	AMCOM	Mar-99 Nov-99	May-99 Jul-00	60	9 9	>		
Force/Torque Calibration System (Transfer) FY 00	Spectris Tech, Norcross, GA	MIPR	Air Force	Dec-99	Mar-00	135	11	>		
Auto Switched Bandpass Filters FY 00	TBS	C/FP	АМСОМ	Apr-00	Oct-00	4	40	>		Sep 99
Precision Digital Thermometer FY 00	TBS	C/FP	АМСОМ	May-00	Nov-00	15	15	>		Oct 99
REMARKS:										

Exhibit P	Exhibit P-5a, Budget Procurement History and Planning	istory an	nd Planning					Date:	February 2000	000
Appropriation / Budget Activity/Serial No:		Weapon System Type:	m Type:		P-1 Line Item Nomenclature:	Nomenclature				
OTHER PROCUREMENT / 3 / Other Support Equipment						CALIBRAT	CALIBRATION SETS EQUIPMENT (N10000)	MENT (N1	(0000	
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	αTY	Unit Cost	Specs Avail	Date Revsn	RFP Issue Date
Fiscal Years		and Type			Delivery	Each	\$000	Now?	Avail	
Dimensional Calibrator FY 00	TBS	C/FP	АМСОМ	May-00	Nov-00	138	ဇ	>		Oct 99
Liquid Flow Calibration System FY 00	TBS	C/FP	АМСОМ	Jun-00	Dec-00	•	350	>		Nov 99
RF Amplifier with Filters FY 00	DB Control, Fremont, CA	C/FP	АМСОМ	Dec-99	Mar-00	-	175	>		Sep 99
Gage Block Sets (Metric) FY 00	7BS	C/FP	АМСОМ	Mar-00	Sep-00	24	11	>		Sep 99
Calorimeter FY 00	TBS	C/FP	АМСОМ	Jun-00	Dec-00	15	15	>		Feb 00
TMDE Management Software FY 00	TBS	C/FP	АМСОМ	Jun-00	Sep-00	152	ω	z	Mar 00	Mar 00 Mar 00
Electro-Optics Test Set Modernization FY 00 FY 01	TBS TBS	C/FP AMCOM	AMCOM AMCOM	Jun-00 Dec-00	Dec-00 Feb-01	15	43	zz	Feb 00 Feb 00	Feb 00 Mar 00 Feb 00 Mar 00
Function Generator FY 00 FY 01	TBS TBS	C/FP AMCOM		May-00 Dec-00	Nov-00 May-01	97	11	> >		Oct 99 Oct 99
REMARKS:										

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Appropriation / Budget Activity/Serial No:		Weapon System 1ype:	n lype:	-	P-1 Line Item Nomenclature:	domenciature:	,	į	0000	
OTHER PROCUREMENT / 3 / Other Support Equipment						CALIBRA	CALIBRATION SETS EQUIPMENT (141000)	עבואו (זא	(0000)	
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date Date of First	Date of First	ΔŢ	Unit Cost	Specs Avail	Date Revsn	RFP Issue Date
Fiscal Years		and Type			Delivery	Each	\$000	Now?	Avail	
Electronic Filter FY 00	Krohn Hite, Avon, MA	SS/FP AMCOM		Apr-00	Oct-00	97	е е	> >		Feb 00
T O I	(Mar) (Mar)				; ;	3		•		
radioniete calibrator	TBS	C/FP	АМСОМ	Mar-01	Sep-01	9	4	z	Sep 00	Sep 00 Dec 00
Type IV Power Meter FY 01	TBS	C/FP	АМСОМ	Mar-01	Sep-01	26	10	z	Sep 00	Sep 00 Dec 00
Microwave Frequency Counter FY 01	TBS	C/FP	АМСОМ	Mar-01	Sep-01	97	8	z	Sep 00	Sep 00 Nov 00
HP8902 Reference Upgrade FY 01	TBS	C/FP	АМСОМ	Mar-01	Sep-01	16	40	z	Sep 00	Sep 00 Dec 00
Electro-Optics Calibration Workstation FY 01	TBS	C/FP	АМСОМ	Mar-01	Sep-01	c)	09	z	Aug 00	Oct 00
Load Cell Sets FY 01	TBS	C/FP	АМСОМ	Apr-01	Sep-01	56	10	z	Aug 00	Aug 00 Oct 00
Digitizing Oscilloscope FY 01	TBS	C/FP	АМСОМ	Jun-01	Dec-01	6	15	z	Oct 60	Oct 00 Dec 00

The Electronic Filters are being procured sole source because they are replacement items and must be compatible with existing equipment. REMARKS:

Exhibit P	Exhibit P-5a, Budget Procurement History and Planning	listory ar	nd Planning					Date:	February 2000	8
Appropriation / Budget Activity/Serial No:		Weapon System Type:	n Type:		2-1 Line Item !	P-1 Line Item Nomenclature:				
OTHER PROCUREMENT / 3 / Other Support Equipment						CALIBRATI	CALIBRATION SETS EQUIPMENT (N10000)	JENT (N1		
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	αī	Unit Cost	Specs Avail		RFP Issue Date
Fiscal Years		and Type			Delivery	Each	\$000	Now?	Avail	
Oscilloscope Workstation (VXI) FY 01	TBS	C/FP	АМСОМ	Mar-01	Sep-01	55	29	z	Aug 00	Aug 00 Oct 00
Flow Computer System FY 01	TBS	C/FP	АМСОМ	Mar-01	Sep-01	30	o o	z	Aug 00	Aug 00 Oct 00
100K lb Force Calibration System FY 01	7BS	C/FP	АМСОМ	Jun-01	Dec-01	_	1300	z	Oct 00	Oct 00 Dec 00
CALSET2000 Calibration Set FY 01	1BS	C/FP	АМСОМ	Feb-01	Feb-02	2	1000	z	Aug 00	Aug 00 Sep 00
REMARKS:			·							

								Date:				
		Exhibit P-4	Exhibit P-40, Budget Item Justification Sheet	em Justific	ation Sheet					February 2000		
Appropriation / Budget Activity/Serial No:	l No:					P-1 Item Nomendature:	re:					
#IO	OTHER PROCUREMENT / 3 / Other Support Equipment	[/3/Other Support &	quipment				N.	INTEGRATED FAMILY OF TEST EQUIPMENT (IFTE) (MB4000)	OF TEST EQUIPME	ENT (IFTE) (MB400)	(0	
Program Elements for Code B Items:	S:			Code:	Other Related Program Elements:	am Elements:						
				∢								
	Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Qty											-	
Gross Cost	0.0	0.0	38.6	69.4	61.7	65.4	52.1	55.1	29.0	26.4	Cont	Cont
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	0.0	0.0	38.6	69.4	61.7	65.4	52.1	55.1	29.0	26.4	Cont	Cont
Initial Spares												
Total Proc Cost	0.0	0.0	38.6	69.4	61.7	65.4	52.1	55.1	29.0	26.4	Cont	Cont
Flyaway U/C												
Wpn Sys Proc U/C												

System Repair Tool) for organizational support, the Electro-Optics Test Facility for electro-optical support, and the Electronic Repair Shelter for circuit card testing and Multiple Launch Rocket System (MLRS), Paladin, Sentinel, Joint Tactical Unmanned Aerial Vehicle, Blackhawk and Chinook helicopters, and the Army's entire fleet of DESCRIPTION: The Integrated Family of Test Equipment (IFTE) is the Army's program to provide automatic test equipment capable of supporting multiple weapon repair. The following weapon systems depend in whole or in part upon IFTE for maintenance support: Abrams, Bradley, Avenger, Kiowa Warrior, Longbow Apache, systems. The IFTE systems provide electronic fault isolation, test, and repair capabilities at all levels of maintenance, and do it more cost effectively than systemspecific testers. The IFTE family consists of four systems: The Base Shop Test Facility for direct and general support, the Contact Test Set (Soldier Portable Ondiesel engine-powered wheeled and tracked vehicles.

intensive systems planned for future fielding. The IFTE has been designated the Army's standard family of automatic test equipment (one of two Department of Defense standard families), and Army policy mandates its use by weapon system developers. The capability of IFTE to support many different weapon systems at all levels of JUSTIFICATION: The FY 2001 funds provide for procurement of test equipment to support the Kiowa Warrior, Longbow Apache, MLRS, Abrams, Bradley, Family of maintenance generates substantial long-term operations and support cost savings by eliminating the need for more costly system-specific testers and by enabling Medium Tactical Vehicles, and other Army weapons and support systems. The IFTE provides the capability to support existing weapon systems and electronicsretirement of the aging and increasingly unsupportable testers currently in the field.

oit P-5,	⋖	Appropriation/ Budget Activity/Serial No:	dget Activity/	Serial No:		2-1 Line Item	P-1 Line Item Nomenclature:			Weapon System Type:		Date:	0000
OPA Cost Analysis		OTHER PROCUREMENT / 3 / Other Support Equipment	KEMEN I / 3 Equipment	orner support			(IFTE) (MB4000)) EQUIPMEN!				000	uary 2000
	₽		FY 98			FY 99			FY 00			FY 01	
Cost Elements	8	TotalCost	ģ	UnitCost	TotalCost	ð	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qfy	UnitCost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
ELECTRONIC REPAIR SHELTER													
Hardware Other	∢				1535 2110	7	768	1565 8853	8	783	3188 3206	4	797
SUBTOTAL					3645			10418			6394		
BASE SHOP TEST FACILITY													
Hardware Other	∢			4.48	13047			3383			9699		
SUBTOTAL					13047			3383			9699		
CONTACT TEST SET (SPORT)						_,					-		
Hardware Other	∢ .				19980 3382	1498	13	23129 2118	1990	12	35516 1565	2935	12
SUBTOTAL					23362		-	25247			37081		
ELECTRO-OPTIC EQUIPMENT													
Hardware Other	∢				15813 13507	7	2259	15442 7233	9	2574	10400 4810	4	2600
SUBTOTAL					29320			22675			15210		
TOTAL					69374			61723			65381		
NOTE: Congressional add of \$10 million in FY 2000 was put into an incorrect program. The increase is being reported in the correct program (Electro-Optic Equipment).													

Exhibit P-40,	Justification Sheet
	<u>te</u> m
	Budget

								Date:				
		Exhibit P-40, Budget	0, Budget It	em Justific	Item Justification Sheet					February 2000		
Appropriation / Budget Activity/Serial No:	al No:					P-1 Item Nomendature:	re:					
Б	OTHER PROCUREMENT / 3 / Other Support Equipment	/3/Other Support E	-quipment					ELECTRON	ELECTRONIC REPAIR SHELTER (MB2201)	R (MB2201)		
Program Elements for Code B Items:	IS:			Code:	Other Related Program Elements:	am Elements:						
				∢								
	Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Qty		Pro- marginal de la companya de la c	3	2	2	4	3	7				16
Gross Cost	0.0	0.0	5.4	3.6	10.4	6.4	5.1	4.2	0.1	0.0	0.0	35.3
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	0.0	0.0	5.4	3.6	10.4	6.4	5.1	4.2	0.1	0.0	0.0	35.3
Initial Spares												
Total Proc Cost	0.0	0:0	5.4	3.6	10.4	6.4	5.1	4.2	0.1	0.0	0.0	35.3
Flyaway U/C												
Wpn Sys Proc U/C					-							

replaceable units (SRU) after fault isolation on an Integrated Family of Test Equipment (IFTE) Base Shop Test Facility or other test equipment. This system also provides a capability for testing and fault isolation of printed circuit boards. The ERS consists of a circuit card tester and two electronic repair workstations, all housed in DESCRIPTION: The Electronic Repair Shelter (ERS) provides a capability for field level repair of circuit card assemblies in line replaceable units (LRU) and shop an environmentally-controlled shelter. It will be fielded to general support maintenance units at corps level and above.

depots or contractors' plants for repair. It corrects a finding reported by the Army Audit Agency that Army field units have not been equipped with a cost-effective means JUSTIFICATION: The FY 2001 funds will procure equipment to fill ERS requirements in four Army general support units in the continental United States, Europe, and Hawaii. The ERS provides for field level testing and repair of LRUs, SRUs, and circuit card assemblies and will avoid the need for evacuation of faulty components to for repair of circuit cards and satisfies a Chief of Staff of the Army initiative to lower operating costs through circuit card screening and repair in the field.

Exhibit P-5, Weapon OPA Cost Analysis	∢ ∵	Appropriation/ Budget Activity/Senal No: OTHER PROCUREMENT / 3 / Other Support	dget Activity. REMENT / 3	/Senal No: / Other Support		P-1 Line item ELECTRONI	F-1 LINB MOMBING TEPAIR SHELTER (MB2201)	LTER (MB2201)		weapon System Type:		Cate. Febru	February 2000
	₽		FY 98			FY 99			FY 00			FY 01	
Cost Elements	8	TotalCost	φ	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qfy	UnitCost	TotalCost	Q _t	UnitCost
	H	\$000	Each	000\$	000\$	Each	\$000	\$000	Each	\$000	\$000	Each	000\$
Hardware Components/Shelter Refurbishment/Unit Assembly Engineering Changes Test Program Sets Production Engineering Quality Assurance Configuration Management Logistics Products/Support Confractual Engineering/Technical Services Interim Contractor Support Initial Spares TOTAL	۷				1535 135 185 82 432 21 3645	И	768	1565 172 172 6949 246 185 82 427 150 207 280 155	8	783	3.188 1.348 1.05 2.55 2.85 3.02 3.02 6.39	4	797

									Date:		
	Exhibit P	Exhibit P-5a, Budget Procurement History and Planning	listory a≀	nd Planning					Fe	February 2000	0
Appropriation / Bud	Appropriation / Budget Activity/Serial No:		Weapon System Type:	ım Type:		P-1 Line Item	P-1 Line Item Nomenclature:				
OTHER PR	OTHER PROCUREMENT / 3 / Other Support Equipment						ELECTRON	ELECTRONIC REPAIR SHELTER (MB2201)	TER (MB22	£)	
WBS Cost Elements:	S	Contractor and Location	Contract Method	Location of PCO	Award Date Date of First	Date of First	αтν	Unit Cost	Specs Avail	Date F Revsn	RFP Issue Date
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Electronic Repair Shelter	air Shelter				-						
FY 99		Tec-Masters, Inc., Huntsville, AL	SS/FP	AMCOM	Jan-99	May-99	2	292			
FY 00		Tec-Masters, Inc., Huntsville, AL	SS/Option AMCOM	AMCOM	Jan-00	May-00	2	783	>		
FY 01		Tec-Masters, Inc., Huntsville, AL	SS/Option AMCOM	AMCOM	Jan-01	May-01	4	797	>		
									1		
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REMARKS:	This item is being procured sole source from the prime contractor since documentation is not adequate for full and open competition.	om the prime contractor since docume	entation is no	ot adequate for full and open co	ompetition.						

FY 100 / 101 BUDGET PRODUCTION SCHEDULE	ğ	CTION S	CHE	JULE				2	FI KEILI NOLLEILOIGUEE	200	ELECTRONIC REPAIR SHELTER (MB2201)	RONIC	REP/	IR SH	ELTEF	₹ (MB2	201)					Cald				Febru	February 2000	8		
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								Date:				
		Exhibit P-4	Exhibit P-40, Budget Item Justification Sheet	em Justifica	ation Sheet					February 2000		
Appropriation / Budget Activity/Serial No:	l No:					P-1 Item Nomenclature:	ıre:					
OTH	IER PROCUREMEN	OTHER PROCUREMENT / 3 / Other Support Equipment	Equipment					BASE SHO	BASE SHOP TEST FACILITY (MB4001)	MB4001)		
Program Elements for Code B Items:	3;			Code:	Other Related Program Elements:	am Elements:						
				¥								
	Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Qty			6									6
Gross Cost	0.0	0.0	21.6	13.0	3.4	2.9	1.7	0.0	0.0	0.0	0.0	46.4
Less PY Adv Proc												
Plus CY Adv Proc												:
Net Proc (P-1)	0.0	0.0	21.6	13.0	3.4	2'9	1.7	0.0	0.0	0.0	0.0	46.4
Initial Spares												
Total Proc Cost	0:0	0.0	21.6	13.0	3.4	6.7	1.7	0.0	0.0	0.0	0.0	46.4
Flyaway U/C												
Wpn Sys Proc U/C												

DESCRIPTION: The Base Shop Test Facility (BSTF) satisfies the Army's requirement for general purpose, automatic electronic testing at the direct and general support test requirements. The following weapon systems are supported in whole or in part by the BSTF and its commercial equivalent which is used for factory and depot level ton trucks, powered by two 60kw generators. The capabilities of this reconfigurable automatic test equipment can be expanded with minimal development to meet new maintenance companies. The BSTF in the field is self-contained, consisting of the tester and associated test program sets mounted in two S-280 shelters, on two fivereplacement. The BSTF is fielded to DS/GS companies in division main support battalions, corps and non-divisional DS/GS maintenance companies, and aviation (DS/GS) levels of maintenance. It automatically identifies faults in electronic circuitry and enables immediate repair in the field through circuit card screening and support: Avenger, Kiowa Warrior, Multiple Launch Rocket System, Paladin, TOW, and Dragon.

be used in support of weapon systems currently being developed. The BSTF is also facilitating the retirement of older, less reliable testers whose operating and support JUSTIFICATION: The FY 2001 funds will procure test program sets and government furnished equipment and continue quality assurance, depot and logistics support, and other government and contractual services required for fielding of BSTFs. The BSTF is an Army standard general-purpose tester, and Army policy requires that it costs are becoming prohibitive. It will assume the workloads of and replace the Land Combat Support System, the Electronic Quality Assurance Test Equipment, and the Test Support System with substantial annual operations and support cost savings.

NOTE: This item was funded in OPA2 prior to FY 1998.

Exhibit P-5, Weapon	۷ ٥	Appropriation/ Budget Activity/Serial No: OTHER PROCUREMENT / 3 / Other Support	dget Activity/ REMENT / 3	Serial No: / Other Support		P-1 Line Iter BASE SF	P-1 Line Item Nomenclature: BASE SHOP TEST FACILITY (MB4001)	ITY (MB4001)		Weapon System Type:		Date: Febr	February 2000
COSt. Alianysis	1		Equipment			90			5			50	
Cost Elements	-1	TotalCost		UnitCost	TotalCost	£ €	UnitCost	TotalCost	ē ∂	UnitCost	TotalCost	ð	UnitCost
	Ħ	\$000	Each	\$000	\$000	Each	\$000	₩	Each	\$000	\$000	Each	\$000
Hardware Government Furnished Equipment Test Program Sets Engineering Changes Depot Support Production Engineering/Support Configuration Management Quality Assurance Logistics Products/Support Government Technical Services Contractual Engineering/Technical Services Component Repair Total Package Fielding Initial Spares	⋖				1304 3165 3266 1360 492 653 134 1174 141 141 141			170 305 343 227 600 82 138 443 210 475 140 250 3383			100 680 717 157 510 214 350 3468		
NOTE: Congressional add of \$10 million in FY 2000 was put into this program incorrectly. The increase is being reported in the Electro-Optic Equipment program.													

	Exhibit P	Exhibit P-5a, Budget Procurement History and Planning	listory a	nd Planning					Date:	February 2000	8
Appropriation / Bu	Appropriation / Budget Activity/Serial No:		Weapon System Type:	m Type:		P-1 Line Item Nomenclature:	Nomenclature				
OTHER P	OTHER PROCUREMENT / 3 / Other Support Equipment						BASE SI	BASE SHOP TEST FACILITY (MB4001)	ry (MB400		
WBS Cost Elements:	nts:	Contractor and Location	Contract Method	Location of PCO	Award Date Date of First	Date of First	άTγ	Unit Cost	_	Date Revsn	RFP Issue Date
Fiscal Years			and Type			Delivery	Each	\$000	Now?	Avail	
Base Shop Test Facility FY 98		Northrop Grumman, Rolling Meadows, IL	SS/Option AMCOM	АМСОМ	Aug-98 Oct-99	Oct-99	6	1782			
REMARKS:	This item was funded in OPA2 prior to FY 1998.	7 1998.									

This item was funded in OPA2 prior to FY 1998. Army procurement of this item completed in FY 1998.

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		Exhibit P-40, Budget		em Justific	Item Justification Sheet			Cate:		February 2000		
Appropriation / Budget Activity/Serial No:	al No:					P-1 Item Nomendature:] 					
-to	OTHER PROCUREMENT / 3 / Other Support Equipment	1/3/Other Support E	equipment					CONTACT	CONTACT TEST SET (SPORT) (MB4002)	(MB4002)		
Program Elements for Code B Items:	iş:			Code:	Other Related Program Elements:	ım Elements:						
				∢								
	Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Qty			719	1498	1990	2935	3247	3627	1615	1615	Cont	Cont
Gross Cost	0.0	0:0	11.6	23.4	25.2	37.1	34.6	38.5	17.1	17.1	Cont	Cont
Less PY Adv Proc												·
Plus CY Adv Proc												
Net Proc (P-1)	0.0	0.0	11.6	23.4	25.2	37.1	34.6	38.5	17.1	17.1	Cont	Cont
Initial Spares												
Total Proc Cost	0.0	0.0	11.6	23.4	25.2	37.1	34.6	38.5	17.1	17.1	Cont	Cont
Fiyaway U/C												
Wnn Svs Proc 11/C												

(SPORT) is the Army's primary platform for paperless interactive and electronic technical manuals and for downloading mission-critical software into weapon system onboard computer processors. The CTS (SPORT) and its predecessor are in wide use throughout the Army's ground combat and combat service support vehicle fleets as DESCRIPTION: The Contact Test Set (Soldier Portable On-System Repair Tool) (CTS (SPORT)) is a lightweight, ruggedized, portable on-system tester. It is used at replacement. Because it is a portable automatic tester with all the inherent computer capabilities and is used by many different maintenance specialties, the CTS all levels of maintenance to automatically diagnose weapon system operations, both electronic and automotive, and identify faulty components for immediate well as in the Army aviation fleet.

standard on-system tester and is an essential maintenance tool in the support plans for the Army's ground vehicle and aviation fleets. It provides testing and diagnostic JUSTIFICATION: The FY 2001 funds will procure hardware and software to support Longbow Apache, Kiowa Warrior, Bradley Fighting Vehicle System (M2A3), Abrams Tank, Multiple Launch Rocket System, and the Family of Medium Tactical Vehicles and other Army wheeled vehicles. The CTS (SPORT) is the Army's support and maintenance automation capabilities which are critical to the readiness of Army units and weapon systems.

Cost Analysis Contracting in the contracting in	oit P-5,		Appropriation/ Budget Activity/Serial No:	dget Activity,	/Serial No:		P-1 Line Item	P-1 Line Item Nomenclature:	(CO04000)		Weapon System Type:		Date:	Fohrian, 2000
Cost Elements	OPA Cost Analysis		מיטטאין אישרויט	Equipment	oriner support			1501 351 (ST	לאסשיים (יווים) (יווים)				000	daly 2000
Cost Elements		Ω		FY 98			FY 99			FY 00			FY 01	
SOO Each SOO	Cost Elements	CO	TotalCost	Qţ		TotalCost	οty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
1980 13 23128 1990 12 35516			000\$	Each	\$000	000\$	Each	000\$	\$000	Each	\$000	000\$	Each	\$000
## Comparison of the Compariso	Hardware/Accessories	<				19980		5	23129		12			12
## Control	Equipment Refurbishment					3 8								
Assurance Modure Support	Production Engineering					664			683			315		
6 Productis Support 250 1902 1902 1903 1905 1906 1906 1907 1908 1908 1908 1908 1908 1908 1908 1908	Software Engineering/Support Duality Assurance					1024			- 55 50			20 05		
## Prupidation Services	Logistics Products/Support					335			260			300		
tutal Engineering/Technical Services 571 23362 2351 2351 2351 2351 2351 2351 2351 235	Technical Publications					250			220			125		
73362	Contractual Engineering/Technical Services					521			251			125		
	TOTAL					23362			25247			37081		
						,								

-	1		;						Date:		
	Exhibit P	Exhibit P-5a, Budget Procurement History and Planning	History ar	nd Planning					g.	February 2000	
Appropriation / Bu	Appropriation / Budget Activity/Serial No:		Weapon System Type:	m Type:		P-1 Line Item Nomenclature:	vomenclature:				
OTHER P	OTHER PROCUREMENT / 3 / Other Support Equipment						CONTACT	CONTACT TEST SET (SPORT) (MB4002)	RT) (MB400	2)	
WBS Cost Elements:	nts:	Contractor and Location	Contract Method	Location of PCO	Award Date Date of First	Date of First	ατΥ	Unit Cost	Specs Avail	Date F Revsn	RFP Issue Date
Fiscal Years			and Type			Delivery	Each	\$000		Avail	
Contact Test Set (SPORT) FY 99 FY 01		Miltope Corp, Hope Hull, AL. Miltope Corp, Hope Hull, AL. Miltope Corp, Hope Hull, AL.	C/Option AMCOM C/Option AMCOM C/Option AMCOM	AMCOM AMCOM AMCOM	Dec-98 Jan-00 Jan-01	Apr-99 May-00 May-01	1498 1990 2935	5 2 3	> >		
REMARKS:	This item was funded in OPA2 prior to FY 1998.	۲ 1998.									

This item was funded in OPA2 prior to FY 1998.
Unit prices vary based on the configuration procured. Unit prices for FY 1999 through FY 2001 exceed the average because of the large number of units requiring internal combustion engine testing capability.

2-1 Item Nomenclature:

								Date:				
		Exhibit P-40, Budget		tem Justific	Item Justification Sheet					February 2000		
Appropriation / Budget Activity/Serial No:	il No:					P-1 Item Nomendature:	re:					
-to	OTHER PROCUREMENT / 3 / Other Support Equipment	T/3/Other Support L	-quipment					ELECTRO	ELECTRO OPTIC EQUIPMENT (MB4003)	(MB4003)		
Program Elements for Code B Items:	S:			Code:	Other Related Program Elements:	am Elements:						
				4								
	Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Qty				7	9	4	2	2	2	2		25
Gross Cost	0.0	0.0	0.0	29.3	22.7	15.2	10.7	12.4	11.7	9.3	0.0	111.4
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	0.0	0.0	0.0	29.3	22.7	15.2	10.7	12.4	11.7	9.3	0.0	111.4
Initial Spares												
Total Proc Cost	0.0	0.0	0.0	29.3	22.7	15.2	10.7	12.4	11.7	9.3	0.0	111.4
Fiyaway U/C												
Won Svs Proc U/C												

electro-optics (EO) tester within a commercial open architecture for electronics. The IFTE EO program is in concert with Army and DoD policies on general-purpose test infrared systems, thermal imaging devices, laser designators/range finders, television cameras and display systems, direct view optics systems, and trackers. The EOTF capitalizes on Army and Department of Defense (DoD) investments by integrating components from the IFTE Base Shop Test Facility and the Navy's standard DESCRIPTION: The Integrated Family of Test Equipment (IFTE) Electro-Optics Test Facility (EOTF) will satisfy test and diagnostic requirements for forward-looking equipment. This system will support Kiowa Warrior initially and will be capable of replacing aging EO test equipment such as the Electronic Equipment Test Facility currently supporting other Army systems in the field when it becomes cost effective to do so.

standard off-system EO automatic tester and is capable of supporting multiple weapon systems. It will produce significant operations and support cost savings over use JUSTIFICATION: The FY 2001 funding will procure equipment to meet EO test and diagnostic requirements for the Kiowa Warrior. The IFTE EOTF is the Army of system-specific testers.

bit P-5,	<u> </u>	Appropriation/ Budget Activity/Serial No: OTHER PROCLIBEMENT / 3 / Other Sur	udget Activity	Appropriation/ Budget Activity/Serial No: OTHER PROCUREMENT / 3 / Other Support		P-1 Line Item	P-1 Line Item Nomenclature: ELECTRO OPTIC EQUIPMENT (MB4003)	ENT (MB4003)		Weapon System Type:		Date: Febr	February 2000
OPA Cost Analysis			Equipment										
	aı		FY 98			FY 99			FY 00			FY 01	
Cost Elements	8	TotalCost	Οty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
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Quality Verification Testing Interim Contractor Support Depot Support Production Engineering					265			32 265			176 100 200		
Software Engineering/Support Configuration Management Quality Assurance Logistics Products/Support					82 118 602			151 82 118 628			100 75 50 250		
Government Technical Services Contractual Engineering/Technical Services Initial Spares					224			407 39 100			259		
TOTAL					29320			22675			15210		
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NOTE: Congressional add of \$10 million in FY 2000 was put into another program incorrectly. It is being reported in this program.													

								Date:		
Exhibit I	Exhibit P-5a, Budget Procurement History and Planning	History ar	nd Planning					_	February 2000	000
Appropriation / Budget Activity/Serial No:		Weapon System Type:	n Type:		P-1 Line Item Nomenclature:	Nomenclature				
OTHER PROCUREMENT / 3 / Other Support Equipment						ELECTR	ELECTRO OPTIC EQUIPMENT (MB4003)	ENT (MB4	903)	
WBS Cost Elements:	Contractor and Location	Contract	Location of PCO	Award Date Date of First	Date of First	ατν	Unit Cost	Specs	Date Revsn	RFP Issue Date
Fiscal Years		and Type			Delivery	Each	\$000	Now?	Avail	
Electro-Optics Test Facility										
FY 99	Northrop Grumman, Rolling	SS/Option AMCOM	AMCOM	66-unc	Jun-99 Dec-00	7	2259			
FY 00	Meadows, IL Northrop Grumman, Rolling	SS/Option AMCOM	АМСОМ	Mar-00 Sep-01	Sep-01	9	2574	>		
FY 01	Meadows, IL Northrop Grumman, Rolling Meadows II	SS/Option AMCOM	АМСОМ	Jan-01 Jul-02	Jul-02	4	2600	>		
	Weddows, IL									
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This item was funded in OPA2 prior to FY 1998. REMARKS:

Addition of digital testing and circuit card testing and repair capabilities have increased the unit price for FY 1999 and future years' procurements. Circuit card testing and repair components are being provided as government furnished equipment.

Unit price varies based on total quantity procured each year. Total quantity procured may include purchases by other customers that are not reflected above.

This item is being procured sole source from the prime contractor since documentation is not adequate for full and open competition.

FY 100 / 101 BUDGET PRODUCTION SCHEDULE	onc	TION S	CHED(·				ECTR	ELECTRO OPTIC EQUIPMENT (MB4003)	CEOL	JIPME	N F	B400	_									February 2000	ary 200	8		
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Exhibit P-21, Production Schedule

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		Exhibit P-40, Budget		em Justific	Item Justification Sheet			Date:		February 2000		
Appropriation / Budget Activity/Serial No:	al No:					P-1 Item Nomendature:	.ie					
ŧō	OTHER PROCUREMENT / 3 / Other Support Equipment	[/3/Other Support &	equipment					TEST EQUIPMENT	TEST EQUIPMENT MODERNIZATION (TEMOD) (N11000)	TEMOD) (N11000)		
Program Elements for Code B Items:	.is			Code:	Other Related Program Elements:	am Elements:						
				∢								
	Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Qty												
Gross Cost	0.0	0.0	6.2	13.9	14.2	18.7	15.6	17.1	18.1	18.1	Cont	Cont
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	0.0	0.0	6.2	13.9	14.2	18.7	15.6	17.1	18.1	18.1	Cont	Cont
Initial Spares												
Total Proc Cost	0.0	0.0	6.2	13.9	14.2	18.7	15.6	17.1	18.1	18.1	Cont	Cont
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equipment that is essential to continued support of the Abrams tank, Bradley Fighting Vehicle, Apache helicopter, Patriot, Single-Channel Ground and Airborne Radio DESCRIPTION: The objectives of the Test Equipment Modernization (TEMOD) program are to improve the materiel readiness of Army weapon systems; reduce test, acquisition of state-of-the-art test equipment to provide new measurement capabilities and to replace obsolete items in the existing inventory of general purpose test measurement, and diagnostic equipment (TMDE) proliferation and obsolescence; and decrease TMDE support costs. These objectives are accomplished through System, and other major weapons and support systems. The TEMOD procurements are primarily commercial items, and they have a significant impact on the equipment at the direct and general support levels. The TEMOD program supports a wide variety of communications and electronics systems, and purchases readiness, power projection, safety, and training operations of active Army, Army Reserve, and National Guard units.

systems, and this equipment will replace items fielded in the early 1980s that are now obsolete and becoming unsupportable. Spectrum analyzers and oscilloscopes will JUSTIFICATION: The FY 2001 funding will provide for procurement of Local Area Network/Wide Area Network (LAN/WAN) Analyzers and Identification Friend or Foe LAN/WAN Analyzer will support emerging technologies associated with the worldwide defense communications networks. The IFF Radar Test Set will be capable of Generators to complete the total planned acquisition of this item. Signal generators provide essential capabilities for repair of tactical and strategic communications (IFF) Radar Test Sets. Initial quantities of these items were procured in FY 1999, and additional quantities are required to satisfy the total Army requirement. The testing MK X and MK XII compatible IFF equipment and will be used primarily in the maintenance of missile and aviation systems. It will alleviate operational and personnel safety problems associated with the aging and deficient IFF test sets currently in the field. The FY 2001 funding will also procure SG-1207A Signal be procured in FY 2001 to replace obsolete and unsupportable equipment and to fill shortages that are having a negative impact on field readiness rates.

			UnitCost	ဂ္ဂ	4 125 20 20 20 9 e
February 2000			Unit	\$000	
Date: Feb		FY 01	Qfy	Each	429 71 51 51 159
			TotalCost	\$000	1876 8903 1436 1020 954 906 575 112 199 311 300 126 508
Weapon System Type:			UnitCost	\$000	13.1 4.25.25
		FY 00	Qfy	Each	44 8 8 8 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9
ERNIZATION	(00)	i	TotalCost	\$000	1953 6014 1609 1370 1575 575 713 301 320 139 757 74196
P-1 Line Item Nomenclature: TEST EQUIPMENT MODERNIZATION	(TEMOD) (N11000)		UnitCost	\$000	26 4 26 88
7-1 Line Iter TEST E(١	FY 99	Qfy	Each	25 2 4 8 8 8 8 4
_			TotalCost	\$000	1016 1890 5076 141 1565 577 577 196 196 198 89 78 13920
Appropriation/ Budget Activity/Serial No: OTHER PROCUREMENT / 3 / Other Support	:		UnitCost	\$000	
dget Activity REMENT / 3	Equipment	FY 98	Qfy	Each	
Appropriation/ Budget Activity/Serial No: OTHER PROCUREMENT / 3 / Other Su			TotalCost	000\$	
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Exhibit P-5, Weapon			Cost Elements		Hardware: TS-4463 Pitot-Static Test Set SG-1207A Signal Generator Radar Test Set, Identification Friend or Foe TS-4511 Local/Wide Area Network Analyzer Spectrum Analyzer Oscilloscope Maintenance/Calibration Accessories Publications/Technical Data Production Engineering Quality Assurance Integrated Logistics Support Other Government Support/Services Contractual Engineering/Technical Services New Equipment Training Warranties Initial Spares TOTAL

								Date:		
Exhibit F	Exhibit P-5a, Budget Procurement History and Planning	listory ar	nd Planning						February 2000	00
Appropriation / Budget Activity/Serial No:		Weapon System Type:	n Type:		-1 Line Item !	P-1 Line Item Nomenclature:				
OTHER PROCUREMENT / 3 / Other Support Equipment					TES	T EQUIPMEN	TEST EQUIPMENT MODERNIZATION (TEMOD) (N11000)	N (TEMO) (N11000	•
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date Date of First	Date of First	αтν	Unit Cost	Specs Avail	Date Revsn	RFP Issue Date
Fiscal Years		and Type			Delivery	Each	\$000	Now?	Avail	
TS-4463 Pitot-Static Test Set FY 99	Druck, Inc., New Fairfield, CT	SS/Option AMCOM	АМСОМ	Dec-98 Jan-99	Jan-99	32	32			
SG-1207A Signal Generator FY 99 FY 00 FY 01	Wayne Kerr, Woburn, MA Wayne Kerr, Woburn, MA Wayne Kerr, Woburn, MA	C/Option C/Option C/Option	AMCOM AMCOM AMCOM	Jan-99 Jan-00 Jan-01	Mar-00 Dec-00 Jun-01	432 448 429	4 4 4	> >		
Radar Test Set, Identification Friend or Foe FY 99 FY 00	NavCom Def Elect, El Monte, CA NavCom Def Elect, El Monte, CA NavCom Def Elect, El Monte, CA	SS/FP SS/Option SS/Option	SS/FP Naval Air Systems Cmd SS/Option Naval Air Systems Cmd SS/Option Naval Air Systems Cmd	May-99 May-00 May-01	Nov-00 Jun-01 May-02	38 46 71	134 131	> >		
TS-4511 Local/Wide Area Network Analyzer FY 99	Agilent Tech, Colorado Springs,	C/FP	AMCOM	Mar-99	Nov-00	48	38			
FY 00	Agilent Tech, Colorado Springs,	C/Option AMCOM	АМСОМ	Mar-00	Mar-01	65	25	>		
FY 01	Agilent Tech, Colorado Springs, CO	C/Option AMCOM	АМСОМ	Jan-01 Aug-01	Aug-01	28	25	>		
Spectrum Analyzer FY 01	TBS (1)	C/FP	АМСОМ	Mar-01	Sep-02	51	20	>		Feb 00
Oscilloscope FY 01	TBS (2)	C/FP	АМСОМ	Apr-01	Oct-02	159	9	z	Mar 00	Mar 00 May 00

REMARKS:

FY 1999 unit price for the TS-4511 LocalWide Area Network Analyzer includes "first article" costs.

The TS-4463 Pitot-Static Test Set was procured sole source because there was only one responsive bidder. The Radar Test Set, Identification Friend or Foe is being procured sole source because documentation is not adequate for full and open competition.

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FY 100 / 101 BUDGET PRODUCTION SCHEDULE	DOG	TION S	CHEDI	JLE			₽-1- ₹	P-1 Item Nomenclature: TEST EQUIP	menck TEST (nenciature: TEST EQUIPMENT MODERNIZATION (TEMOD) (N11000)	MENT	MODE	.SVIZA	NOI!	TEMO	(S	1000)				Date:	ö			Feb	February 2000	8			_
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Exhibit P-40	ustification Shee
	Budget Item J

Item No. 183 Page 1 of 8

								Date:				
		Exhibit P-40, Budget	0, Budget It	Item Justification Sheet	tion Sheet					February 2000		
Appropriation / Budget Activity/Serial No:	al No:					P-1 Item Nomenclature:	re:					
Б	OTHER PROCUREMENT / 3 / Other Support Equipment	/3/Other Support E	Equipment				ARM	Y DIAGNOSTICS IN	ARMY DIAGNOSTICS IMPROVEMENT PROGRAM (ADIP) (N11400)	3RAM (ADIP) (N114	400)	
Program Elements for Code B Items:	13:			Code:	Other Related Program Elements:	am Elements:						
				<								
	Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Qty												
Gross Cost	0.0	0.0	0.0	0.0	5.2	17.3	17.0	6.8	6.7	5.8	Cont	Cont
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	0.0	0.0	0:0	0.0	5.2	17.3	17.0	6.8	6.7	5.8	Cont	Cont
Initial Spares												
Total Proc Cost	0:0	0.0	0.0	0:0	5.2	17.3	17.0	6.8	6.7	5.8	Cont	Cont
Flyaway U/C												
Wpn Sys Proc U/C												

and technologies in the maintenance of Army equipment with the objective of reducing operations and support costs while advancing equipment readiness. It supports DESCRIPTION: The Army Diagnostics Improvement Program (ADIP) is a Chief of Staff of the Army initiative to implement improved diagnostic/prognostic strategies develop, manage, integrate, and field components with a common diagnostic architecture across families of weapon systems. It provides an avenue for improving diagnostics on current weapon systems using available tools and test equipment and optimizes the use of common diagnostic technologies in support of currently the vision of the digitized Army and the Army After Next, as well as near-term and interim goals. The ADIP uses a horizontal technology integration approach to fielded and emerging weapon systems.

Bradley Fighting Vehicle to a Soldier Portable On-System Repair Tool-based maintenance system. The test equipment currently employed in support of the Abrams and JUSTIFICATION: The FY 2001 funds will provide adapters, connectors, software, and other items required to transition on-system support for the Abrams Tank and the The FY 2001 funds will also be used to rehost and procure test program sets to transition weapon system support workloads from the Electronic Quality Assurance Test Equipment (EQUATE) to the Integrated Family of Test Equipment (IFTE). The EQUATE is becoming obsolete and is very expensive to operate and maintain. It will be Bradley is obsolete, has major technical limitations, and is incapable of handling the new electronics being incorporated into the Abrams M1A2 and the Bradley M2A3. retired as soon as the workload can be transitioned to the Electronic Repair Shelter and other IFTE testers.

oit P-5,	_	Appropriation/ Budget Activity/Serial No:	udget Activil	ty/Serial No:	1		P-1 Line Iter	P-1 Line Item Nomenclature:	THENSIL		Weapon System Type:		Date:	0000
OPA Cost Analysis		Equipment	Equipmen	t .	iodd		PR	PROGRAM (ADIP) (N11400)	V11400)				3	200
			FY 98		H		FY 99			FY 00			FY 01	
Cost Elements	8	TotalCost	├	UnitCost	<u> </u>	TotalCost	Qţ	UnitCost	TotalCost	(JC)	UnitCost	TotalCost	Óβ	UnitCost
	П	\$000	Each	\$000	Н	\$000	Each	\$000	000\$	Each	000\$	000\$	Each	000\$
ARMY DIAGNOSTICS IMPROVEMENT PROGRAM			_		-									
Hardware Components Other	∢								3145 2027					
SUBTOTAL									5172					
IMPROVED SIMPLIFIED TEST EQUIPMENT M1/FVS														
Hardware Components Other	∢											8915 1582		
SUBTOTAL												10497		
IFTE TEST PROGRAM SETS														
Hardware Components Other	∢											2480 4323		
SUBTOTAL												6803		
TOTAL									5172			17300		
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								Date:				
		Exhibit P-40, Budget		tem Justification Sheet	ntion Sheet					February 2000		
Appropriation / Budget Activity/Serial No:	al No:					P-1 Item Nomendature:	ıre:					
Ė	OTHER PROCUREMENT / 3 / Other Support Equipment	/3/Other Support	Equipment				*	NRMY DIAGNOSTIC	ARMY DIAGNOSTICS IMPROVEMENT PROGRAM (N11100)	ROGRAM (N11100)	•	
Program Elements for Code B Items:	:8:			Code:	Other Related Program Elements:	am Elements:						
				∢								
	Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Qty												
Gross Cost	0.0	0.0	0.0	0.0	5.2	0.0	0.0	0.0	0.0	0.0	0.0	5.2
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	0.0	0.0	0.0	0.0	5.2	0.0	0.0	0.0	0.0	0.0	0.0	5.2
Initial Spares												
Total Proc Cost	0.0	0.0	0.0	0.0	5.2	0:0	0.0	0.0	0.0	0.0	0.0	5.2
Flyaway U/C												
Wpn Sys Proc U/C												

support for the Abrams Tank and Bradley Fighting Vehicle to a Soldier Portable On-System Repair Tool-based maintenance system. The test equipment currently employed in support of the Abrams and Bradley is obsolete, has major technical limitations, and is incapable of handling the new electronics being incorporated into the Abrams M1A2 and the Bradley M2A3. DESCRIPTION: This Army Diagnostics Improvement Program initiative will provide hardware components, software, and other items required to transition on-system

NOTE: This item is funded as SSN N11104, Improved Simplified Test Equipment M1/FVS, beginning in FY 2001.

Exhibit P-5, Weapon OPA Cost Analysis	₹ 0	Appropriation/ Budget Activity/Serial No: OTHER PROCUREMENT / 3 / Other Support Equipment	iget Activity REMENT / 3 Equipment	Serial No: / Other Support		P-1 Line Iter ARMY DI	P-1 Line liem Nomenclature: ARMY DIAGNOSTICS IMPROVEMENT PROGRAM (N11100)	PROVEMENT 1100)		Weapon System Type:	Туре:	Date: Febru	February 2000
	₽		FY 98			FY 99			FY 00			FY 01	
Cost Elements	8	TotalCost	Qty	UnitCost	TotalCost	Qţ	UnitCost	TotalCost	ð	UnitCost	TotalCost	ģ	UnitCost
	H	\$000	Each	000\$	\$000	Each	\$000	000\$	Each	\$000	000\$	Each	\$000
Hardware Components Systems Engineering Software Engineering/Support Technical Data Quality Assurance Logistics Support Depot Support Government Technical Services	⋖							3145 950 450 255 50 100 78					
TOTAL This program will provide hardware								5172					
with Soldier Portable On-System Repair Tool (SPORT) units being procured under SSN MB4002 to provide test and diagnostic support for the Abrams and Bradley fleets.													

								Date:				
		Exhibit P-40, Budget		Item Justification Sheet	ation Sheet					February 2000		
Appropriation / Budget Activity/Serial No:	al No:					P-1 Item Nomenclature:	ıre:					
Б	OTHER PROCUREMENT / 3 / Other Support Equipment	/3/Other Support E	Equipment				4	APROVED SIMPLIFI	IMPROVED SIMPLIFIED TEST EQUIPMENT M1/FVS (N11104)	NT M1/FVS (N11104	•	
Program Elements for Code B Items:	iS:			Code:	Other Related Program Elements:	am Elements:						
				∢								
	Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Qty	-											
Gross Cost	0.0	0.0	0.0	0.0	0.0	10.5	10.3	0.0	0.0	0.0	0.0	20.8
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	0.0	0.0	0.0	0.0	0:0	10.5	10.3	0.0	0.0	0.0	0.0	20.8
Initial Spares												
Total Proc Cost	0.0	0:0	0.0	0.0	0.0	10.5	10.3	0.0	0.0	0.0	0:0	20.8
Flyaway U/C												
Wpn Sys Proc U/C												

DESCRIPTION: This initiative under the Army Diagnostics Improvement Program will provide hardware components, software, and other items required to transition onsystem support for the Abrams Tank and Bradley Fighting Vehicle to a Soldier Portable On-System Repair Tool (SPORT)-based maintenance system.

the Simplified Test Equipment-M1/Fighting Vehicle System (STE-M1/FVS), is obsolete, has major technical limitations, and is incapable of handling the new electronics diagnostic requirements of the Abrams Tank and the Bradley Fighting Vehicle System. The test equipment currently employed in support of the Abrams and Bradley, being incorporated into the Abrams M1A2 and the Bradley M2A3. Replacement of the STE-M1/FVS as planned will return a projected \$6.4 million operations and JUSTIFICATION: The FY 2001 funds will provide adapters, connectors, software, and other items required for use with the SPORT to satisfy on-system test and support cost avoidance per year when fully implemented.

bit P-5,	₹ '	Appropriation/ Budget Activity/Serial No:	dget Activity/	Serial No:		P-1 Line Iter	P-1 Line Item Nomenclature:	1		Weapon System Type:		Date:	0000
OPA Cost Analysis	_	OTHER PROCUREMENT / 3 / Other Support Equipment	REMENT / 3. Equipment	/ Other Support		IMPROVEL	IMPROVED SIMPLIFIED LEST EQUIPMENT M1/FVS (N11104)	SI EQUIPMENT				Lepi	ary 2000
	₽		FY 98			FY 99			FY 00			FY 01	
Cost Elements	8	TotalCost	ð	UnitCost	TotalCost	Q t y	UnitCost	TotalCost	QtA	UnitCost	TotalCost	Qty	UnitCost
	Н	\$000	Each	\$000	\$000	Each	000\$	\$000	Each	\$000	000\$	Each	\$000
Hardware Components Systems Engineering Software Engineering/Support Quality Assurance Logistics Support Depot Support Government Technical Services	∢										8915 619 516 50 161 161		
This program will provide hardware components and software to be integrated with Soldier Portable On-System Repair Tool (SPORT) units being procured under SSN MB4002 to provide test and diagnostic support for the Abrams and Bradley fleets.													
	┪												

								Date:				
		Exhibit P-4	Exhibit P-40, Budget Item Justification Sheet	em Justifica	ation Sheet					February 2000		
Appropriation / Budget Activity/Serial No:	al No:					P-1 Item Nomenclature:						
Б	OTHER PROCUREMENT / 3 / Other Support Equipment	/3/Other Support E	quipment					IFTE TEST P	IFTE TEST PROGRAM SETS (TPS) (N11103)	S) (N11103)		
Program Elements for Code B Items:	.S:			Code:	Other Related Program Elements:	am Elements:						
				∢								
	Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Oty												
Gross Cost	0.0	0.0	0.0	0.0	0.0	6.8	6.8	6.8	6.7	5.8	0.0	32.9
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	0.0	0:0	0.0	0.0	0.0	6.8	6.8	6.8	6.7	5.8	0.0	32.9
Initial Spares												
Total Proc Cost	0.0	0.0	0.0	0:0	0.0	6.8	6.8	6.8	6.7	5.8	0:0	32.9
Flyaway U/C												
Wpn Sys Proc U/C												

DESCRIPTION: This initiative under the Army Diagnostics Improvement Program will provide test program sets to transition workloads from aging and obsolete testers such as the Electronic Quality Assurance Test Equipment (EQUATE) to the Integrated Family of Test Equipment (IFTE) and allow retirement of the older systems.

The EQUATE is becoming obsolete and is very expensive to operate and maintain. It will be retired as soon as the workload can be transitioned to the ERS and other JUSTIFICATION: The FY 2001 funds will be used to rehost test program tests for the Sentinel, Apache, Multiple Launch Rocket System (M270A1), and other weapon systems for use on the Electronic Repair Shelter (ERS). Test program sets for the Abrams, Firefinder, Linebacker, Avenger, and Bradley TOW will also be replicated and distributed to ERS locations with the FY 2001 funding. These test program sets will transition weapon system support workloads from the EQUATE to the IFTE. IFTE testers to help reduce the Army's operation and support cost burdens.

Exhibit P-5, Weapon		Appropriation/ Budget Activity/Serial No: OTHER PROCUREMENT / 3 / Other Support	dget Activity/ REMENT / 3	Serial No: / Other Support		P-1 Line Item IFTE TEST F	P-1 Line Item Nomenclature: IFTE TEST PROGRAM SETS	2-1 Line Item Nomenclature: IFTE TEST PROGRAM SETS (TPS (N11103)		Weapon System Type:	урв:	Date: Febru	February 2000
	9		Equipment			60 A			20 24			5	
Cost Flements	3 B	TotalCost	e Ago	UnitCost	TotalCost	n ê ĕ	UnitCost	TotalCost	B ∂	UnitCost	TotalCost	Æ	UnitCost
	Ħ	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
Hardware Components Software Production Engineering Logistics Products/Support Quality Assurance TOTAL	4										2480 3719 424 120 60 6803		
	1												

								Date:				
	Exhi	hibit P-40,	Budget It	em Justifi	bit P-40, Budget Item Justification Sheet	et				February 2000		
Appropriation / Budget Activity/Serial No:	//Serial No:					P-1 Item Nomenclature:	ature:					
ОТНЕ	OTHER PROCUREMENT / 3	7/3/Other Support Equipment	rt Equipment					RECONFIGUR	RECONFIGURABLE SIMULATORS (KA6000)	RS (KA6000)		
Program Elements for Code B Items:	3 Items:			Code:	Other Related Program Elements:	ogram Elements:						
				∢			OMA - 121014	121014				
	Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2005 To Complete Total Prog	Total Prog
Proc Qty												
Gross Cost	12.2	2.3	13.3	1.0	2.4	2.3	0.4	0.1	0.1	0.1	0.0	34.3
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	12.2	2.3	13.3	2.0	2.4	2.3	0.4	0.1	0.1	0.1	0.0	34.0
Initial Spares												
Total Proc Cost	12.2	2.3	13.3	2.0	2.4	2.3	0.4	0.1	0.1	0.1	0.0	34.0
Flyaway U/C												
Wpn Sys Proc U/C												

Distributed Interactive Simulator Facilities (CDF) and Battle Laboratories. These simulators are combat development simulation tools which will environment by use of a single simulator. The CDFs are centrally-managed and equipped Army simulation facilities which can link and operate more realistic synthetic environment. The Synthetic Theater of War-Architecture (STOW-A) is a network of simulation training hub and remote interactively with each other and other geographically-separated simulation sites. The CDFs are available to customers who want to conduct experiments and demonstrations using the synthetic environment. The CDF upgrades will enhance the capability of the Army to analyze user simulator visual display systems, computer image generators, host computer processing power and network interface standards to provide a sites which provides the capability of geographically-remote units to realistically train together, virtual testing of new equipment, analysis of DESCRIPTION: This program provides reconfigurable simulators to support combat development simulation activities in the Army's Core requirements and evaluate alternative technical approaches for satisfying those requirements. These upgrades will increase capabilities of alternative force structure designs, soldier training for operations in hazardous conditions without risk, and preparation of units for military provide the ability to conduct experiments and demonstrations cost effectively by having multiple vehicles represented in the synthetic operations through mission rehearsal to insure success on the battlefield.

(ACRT). The ACRT effort is focused on procuring and installing a sufficient number of reconfigurable simulation devices at various CDFs for the purpose of upgrading and extending the current Modeling and Simulation (M&S) synthetic environment infrastructures. Once integrated, the JUSTIFICATION: The FY01 funding supports procurement of additional full fidelity ground and aviation Advanced Concepts Research Tools technology will be exploited to conduct experimentation into new warfighting concepts, as well as proof of principle experimentation by HQs

								Date:				
		Exhibit P-40, Budget		Item Justification Sheet	ation Sheet					February 2000		
Appropriation / Budget Activity/Serial No:	l No:					P-1 Item Nomendature:	78:					
OTH.	OTHER PROCUREMENT / 3 / Other Support Equipment	7/3/Other Support E	Equipment					PHYSICAL SEC	PHYSICAL SECURITY SYSTEMS (OPA3) (MA0780)	PA3) (MA0780)		
Program Elements for Code B Items:				Code:	Other Related Program Elements:	am Elements:						
					000076	7000	0000	2000	7,000	EV 2005	To Complete	Total Brog
	Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FT 2004	FT 2003	alaidillon o l	T I O
Proc Qty												
Gross Cost	6.2	7.1	6.9	14.8	19.6	18.9	19.2	19.4	19.7	20.1	0.0	151.9
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	6.2	7.1	6.9	14.8	19.6	18.9	19.2	19.4	19.7	20.1	0:0	151.9
Initial Spares												
Total Proc Cost	6.2	7.1	6.9	14.8	19.6	18.9	19.2	19.4	19.7	20.1	0.0	151.9
Flyaway U/C												
Was Sve Broc 11/C												

United States of these resources prior to armed conflict or to disrupt the Government during peace time. Physical Security Systems include the Integrated Commercial DESCRIPTION: Physical Security Systems protect high dollar, critical assets that are vulnerable to determined, skilled intruders or saboteurs intending to deprive the Intrusion Detection System (ICIDS), the Joint-Services Interior Intrusion Detection System (J-SIIDS), Commercial Intrusion Detection Systems (CIDS) and other force protection equipment. The goal is to provide security to units, families and facilities thus reducing the number of soldiers used for force protection missions.

technology to safeguard personnel and Army assets. Funding provides for the protection of personnel, facilities and equipment from terrorists and criminal threats. By and other high risk targets. Funding minimizes risks and vulnerabilities by providing commanders with the appropriate levels of protection through the use of available conventional Arms, Ammunition and Explosive storage facilities, Sensitive Compartmented Information Facilities, areas designated mission essential and vulnerable, increasing the protection of personnel, facilities and equipment, the program supports unit readiness and deployments by reducing the vulnerability of units and JUSTIFICATION: FY 2001 funding procures physical security and other force protection equipment that supports security measures required by regulation for installations to terrorist threats.

	۳	Appropriation/ Budget Activity/Serial No: OTHER PROCUREMENT / 3 / Other Support	1get Activity/ REMENT / 3	Serial No: / Other Support		P-1 Line Ite	P-1 Line Item Nomenclature: PHYSICAL SECURITY SYSTEMS (OPA3)	STEMS (OPA3)		Weapon System Type:		Date: Febr	February 2000
Cost Analysis			Equipment	violation in the			(MA0780)					50	raiy sooo
	Ω		FY 98			FY 99			FY 00			FY 01	
Cost Elements		TotalCost	Q t	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qt	UnitCost	TotalCost	Qfy	UnitCost
	H	\$000	Each	000\$	\$000	Each	000\$	000\$	Each	000\$	000\$	Each	\$000
USIDS/CIDS (OPA3) ICIDS (OPA3) MOBILE DETECTION ASSESSMENT RESPONSE	Щ.				4717			12667 6047 883		•	12634 5353 869		
TOTAL	\dashv				14807			19597			18856		

								Date:				
		Exhibit P-40, Budget	0, Budget It	Item Justification Sheet	ation Sheet					February 2000		
Appropriation / Budget Activity/Serial No:	l No:					P-1 Item Nomendature:	re:					
-HO	OTHER PROCUREMENT / 3 / Other Support Equipment	/3/Other Support	quipment					SOISC	JSIDS/CIDS (OPA3) (MA0781)	1781)		
Program Elements for Code B Items:	ii.		ı	Code:	Other Related Program Elements:	am Elements:						
	Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Qty	i											
Gross Cost	1.6	1.7	1.9	10.1	12.7	12.6	12.7	12.8	12.9	13.2	0.0	92.2
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	1.6	1.7	1.9	10.1	12.7	12.6	12.7	12.8	12.9	13.2	0:0	92.2
Initial Spares												
Total Proc Cost	1.6	1.7	1.9	10.1	12.7	12.6	12.7	12.8	12.9	13.2	0:0	92.2
Fiyaway U/C												
Wpn Sys Proc U/C												

ammunition magazines, drug storage, automatic data processing centers, communications and financial facilities. The goal is to provide security to units, families and DESCRIPTION: The J-SIIDS is a Type Classified Standard interior intrusion detection system used to secure arms rooms, nuclear/chemical and conventional facilities thus reducing the number of soldiers used for force protection missions.

Commercial Intrusion Detection Systems (CIDS) is used for smaller projects where ICIDS or J-SIIDS would be cost prohibitive or inappropriate. CIDS funds the purchase of equipment to meet these nonstandard, time sensitive requirements. Funds are sent to individual posts, camps, and stations worldwide. The goal is to provide security to units, families and facilities thus reducing the number of soldiers used for force protection missions.

Force Protection Equipment (FPE) provides enhancement of security for personnel, equipment and facilities from a terrorist/criminal threat. This equipment applies defensive measures to reduce vulnerabilities to individuals, installations and property. This program excludes computer network security, COMSEC, preventive medicine and armored vehicles.

Facilities, areas designated mission essential and vulnerable, and other high risk targets. Funding minimizes risks and vulnerabilities by providing commanders with the appropriate levels of protection through the use of available technology to safeguard personnel and Army assets. Funding protects personnel, facilities and equipment JUSTIFICATION: The FY 2001 program funds procurement of physical security and force protection equipment. These funds address the specific modernization of integrated Physical Security Equipment (PSE) for intrusion detection and assessment, access control, electronic surveillance and force protection at Army facilities. Funding provides security measures for nuclear reactors, conventional Arms, Ammunition and Explosive storage facilities, Sensitive Compartmented Information from terrorist or criminal threats. The program supports unit readiness and deployments by reducing unit and installation vulnerability.

		Appropriation/ Budget Activity/Serial No:	udget Activity	Appropriation/ Budget Activity/Serial No: OTHER PROCI IREMENT / 3 / Other Support		P-1 Line Item	P-1 Line Item Nomenclature: ISIDS/CIDS (OPA3) (MA0781)	MA0781)		Weapon System Type:	Туре:	Date: Febr	February 2000
UPA COST Analysis			Equipment										
	a		FY 98			FY 99			FY 00			FY 01	
Cost Elements	CD	TotalCost	Qfy	UnitCost	TotalCost	Οţλ	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qŧy	UnitCost
	Ц	000\$	Each	\$000	000\$	Each	\$000	000\$	Each	\$000	000\$	Each	\$000
J-SiIDS Hardware Engineering					553 132			262			262 88		
SUBTOTAL					685			350			350		
CIDS					9405			12317			12284		
SUBTOTAL					9405			12317			12284		
Unit cost reflect only an average cost. The unit cost is site dependent. Components are assembled according to individual site security requirements.													
TOTAL					10090			12667			12634		
	ł												

								Date:				
		Exhibit P-40, Budget		tem Justification Sheet	ation Sheet					February 2000		
Appropriation / Budget Activity/Serial No:	tal No:					P-1 Item Nomendature:	ıre:					
шо	OTHER PROCUREMENT / 3 / Other Support Equipment	/3/Other Support E	Equipment					ō	ICIDS (OPA3) (MA0782)	3		
Program Elements for Code B Items:	ë			Code:	Other Related Program Elements:	am Elements:						
	Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Qty												
Gross Cost	4.6	5.3	5.1	4.7	6.0	5.4	5.6	5.7	5.8	6.0	0:0	54.2
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	4.6	5.3	5.1	4.7	6.0	5.4	5.6	5.7	5.8	6.0	0.0	54.2
Initial Spares												
Total Proc Cost	4.6	5.3	5.1	4.7	6.0	5.4	5.6	5.7	5.8	6.0	0.0	54.2
Flyaway U/C												
Wpn Sys Proc U/C												

entry control, electronic surveillance, and command and control devices used for the protection of chemical/nuclear and Special Compartmented Information Facilities, DESCRIPTION: The Integrated Commercial Intrusion Detection System (ICIDS) program consists of commercially available interior and exterior sensor, response, essential assets. These components are assembled as "systems" to meet the site specific requirements of installations on the DA Distribution Plan. The goal is to sensitive munitions, Conventional Arms, Ammunition and Explosive areas, non-nuclear missiles and rockets in a ready to fire configuration, and critical mission provide security to units, families and facilities thus reducing the number of soldiers used for force protection missions. JUSTIFICATION: The FY 2001 program funds procurement of Physical Security Equipment at Umatilla Chemical Activity, UT, and Blue Grass Chemical Depot, KY, as prioritized by the DA ICIDS Distribution Plan. These funds will modernize intrusion detection and assessment, access control, and surveillance systems by augmenting Ammunition and Explosive storage facilities, Sensitive Compartment Information Facilities, and areas designated mission essential and vulnerable, and other high risk current equipment or replacing obsolete equipment with state-of-the-art electronic equipment. Funding provides regulatory security measures for conventional Arms, targets. Equipment minimizes risks and vulnerabilities by providing commanders with the appropriate levels of protection by using available electronic technology.

Exhibit P-5, Weapon	<u> </u>	Appropriation/ Budget Activity/Serial No: OTHER PROCUREMENT / 3 / Other Support	iget Activity/	Serial No: / Other Support		P-1 Line Item	P-1 Line Item Nomenclature:	0782)		Weapon System Type:		Date:	Eshnisov 2000
COSt Alialysis			Equipment					(-	daily 2000
	Ω		FY 98			FY 99			FY 00			FY 01	
Cost Elements	8	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qfy	UnitCost	TotalCost	Δţ	UnitCost
	Ħ	000\$	Each	\$000	000\$	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
ICIDS Hardware Engineering	∢				3221 1496	-	3221	4777	2	2389	4229	8	2115
Unit cost reflect only an average cost. The unit cost is site dependent. Components are assembled according to individual site security requirements.													
											1 144 (6-1-4)		
TOTAL					4717			6047			5353		

L		11.04.						Date:		
	Exhibit P-5a, Budget Procurement History and Planning	istory ar	nd Planning					78.	February 2000	
Appropriation / Budget Activity/Serial No:		Weapon System Type:	m Type:		2-1 Line Item	P-1 Line Item Nomenclature:				
OTHER PROCUREMENT / 3 / Other Support Equipment						⊻	ICIDS (OPA3) (MA0782)	782)		
WBS Cost Elements:	Contractor and Location	Contract	Location of PCO	Award Date	Date of First	αтν	Unit Cost	Specs Avail F	Date RF Revsn	RFP Issue Date
Fiscal Years		and Type			Delivery	Each	\$000	-	Avail	
Hardware FY 00 FY 01	Lockheed Martin Lockheed Martin	C/FP/Opt CECOM C/FP/Opt CECOM C/FP/Opt		May-99 May-01	Jun-99 Jun-00 Jun-01	+ 0 N	3221 2389 2115	Yes Yes Yes		
REMARKS: Unit cost reflects an average cost. The unit cost is site depe	he unit cost is site dependent. Component	uts are assem	ndent. Components are assembled according to individual site security requirements.	le security r	equiremen	ప				

FY 00 / 01 BUDGET PRODUCTION SCHEDULE	UCTIO	N SCI	HEDO	ᄪ			<u>:</u>	Eg.	P-1 Item Nomenclature:	nciati	<u></u>	ä	S (0P,	ICIDS (OPA3) (MA0782)	A0782							Date:	*			Febru	February 2000	8		
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		Exhibit P-40, Budget	0, Budget It	Item Justification Sheet	ation Sheet					February 2000		
Appropriation / Budget Activity/Serial No:	al No:					P-1 Item Nomendature:	ıre:					
ŧ5	OTHER PROCUREMENT / 3 / Other Support Equipment	/3/Other Support E	Equipment					SYSTEM FIELD	SYSTEM FIELDING SUPPORT (OPA-3) (MA0070)	A-3) (MA0070)		
Program Elements for Code B Items:	S:			Code:	Other Related Program Elements:	am Elements:						
	Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Qty												
Gross Cost	88.7	7.7	6.9	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0:0	111.3
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	88.7	7.7	6.9	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	111.3
Initial Spares												
Total Proc Cost	88.7	7.7	6.9	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	111.3
Flyaway U/C												
Wpn Sys Proc U/C												

DESCRIPTION: System fielding support funds provide for First Destination Transportation (FDT), Total Package Fielding (TPF), and New Equipment Training (NET) for all systems and equipment funded within Other Procurement Army, Activity 3, Other Support Equipment. FDT funds provide the movement of Army equipment, modificatioon kits, assemblies, and components from the manufacturing point to a CONUS depot or other points of first acceptance within the CONUS supply system. (NOTE: Excludes transportation costs paid by a vendor as prescribed in a procurement contract.) TPF is the standard method of fielding new equipment developed under the Army's force modernization program. The materiel developer plans, develops, acquires, and deploys the materiel systems, including Associated Support Temporary Duty (TDY), salaries, and Army Working Capital Fund (AWCF) management equipment. Beginning in FY 00, System Fielding funds are reflected with Items of Equipment (ASIOE) and Support List Allowance (SLAC) items through a physical handoff to the user. The TPF costs include SLAC items, deprocessing, individual items of equipment.

P-40,	Sheet
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		Exhibit P-40, Budget		Item Justification Sheet	ation Sheet					February 2000		
Appropriation / Budget Activity/Serial No:	al No:					P-1 Item Nomenclature:	Jre:					
Ė	OTHER PROCUREMENT / 3 / Other Support Equipment	/3/Other Support &	Equipment					BASELEVE	BASE LEVEL COM'L EQUIPMENT (MB7000)	T (MB7000)		
Program Elements for Code B Items:	18:			Code:	Other Related Program Elements:	am Elements:						
	Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Qty										_		
Gross Cost	418.2	6.0	5.1	18.8	6.7	7.4	6.2	6.5	6.9	7.1	0.0	488.8
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	418.2	0.9	5.1	18.8	6.7	7.4	6.2	6.5	6.9	7.1	0.0	488.8
Initial Spares												
Total Proc Cost	418.2	0.9	5.1	18.8	6.7	7.4	6.2	6.5	6.9	7.1	0.0	488.8
Fiyaway U/C												
Wpn Sys Proc U/C												

purchased by the Army. Equipment supports generic and recurring installation level activities of active Army & Reserve components. Equipment must be commercially available and have a unit investment cost of \$100k or greater. Type installation activities supported by equipment include material and cargo handling, engineering and public works, grounds and road maintenance, recreation, kitchen and laundry activities. Funds procurement of new investment items or replacements for existing equipment that is overaged, obsolete, or beyond economical repair. DESCRIPTION: The Base Level Commercial Equipment (BCE) program procures essential TDA authorized equipment that is not centrally-managed or centrally

JUSTIFICATION: FY 01 programs funds the critical requirements of approximately 16 active Army and Reserve component MACOMs and their sub-installations.

							1	Date:				
		Exhibit P-40, Budget		Item Justification Sheet	ation Sheet					February 2000		
Appropriation / Budget Activity/Serial No:	I No:					P-1 Item Nomenclature:	.e.					
ATO OTH	OTHER PROCUREMENT / 3 / Other Support Equipment	/3/Other Support E	quipment				4	AODIFICATION OF I	MODIFICATION OF IN-SVC EQUIPMENT (OPA-3) (MA4500)	T (OPA-3) (MA4500)		
Program Elements for Code B Items:	is:			Code:	Other Related Program Elements:	am Elements:						
	Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Qty												
Gross Cost	119.3	14.6	18.2	22.7	41.5	28.0	20.4	39.3	18.0	17.2	0.0	339.2
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	119.3	14.6	18.2	22.7	41.5	28.0	20.4	39.3	18.0	17.2	0.0	339.2
Initial Spares												
Total Proc Cost	119.3	14.6	18.2	22.7	41.5	28.0	20.4	39.3	18.0	17.2	0:0	339.2
Flyaway U/C												
Wpn Sys Proc U/C												

the modification. Modifications are performed to correct safety deficiencies, increase mission capabilities, extend the useful life, improve supportability, upgrade existing DESCRIPTION: This budget line funds OPA-3 modifications of in-service equipment programs. It is used to procure hardware, materials, and installation to complete technology, increase efficiency, improve readiness and to meet new legal and regulatory requirements. By modifying existing equipment, the Army maintains a ready, supportable inventory of equipment that meets current requirements and regulations at a cost considerably below that of buying new equipment.

Electronics, & Navigation (CEN) Equipment, the M-9 Armored Combat Earthmover (ACE) System Improvement Plan (SIP), Phases 3 & 4, the Remote Ordnance Neutralization System, the Landing Craft, Utility (LCU) 2000, and the Logistics Support Vessel (LSV). These upgrades will extend the service life of effected systems, JUSTIFICATION: The FY01 Modification of In-Service Equipment program funds modification of the Landing Craft, Mechanized (LCM-8), Marine Communications, gain critically-required operational improvements, and maintain compliance with new federal legal mandates in the areas of safety and environmental protection.

	Exhibit P-40M Budget		em Justifica	Item Justification Sheet			Date		February 2000		
Appropriation / Budget Activity/Serial No.	۲o.				P-1 Item Nomendature	P					
ОТНЕ	OTHER PROCUREMENT / 3 / Other Support Equipment	Equipment				V	MODIFICATION OF	MODIFICATION OF IN-SVC EQUIPMENT (OPA-3) (MA4500)	(OPA-3) (MA4500)		
Program Elements for Code B Items		<u> </u>	Code	Other Related Program Elements	am Elements						
Description		Fiscal Years									
	Classification	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	TC	Total
Landing Craft, Mechanized 8 (No P3a Set)	ized 8 (No P3a Set)	& PRIOR									
1-TACOM E	Equip Upgrade	2.7	2.0	1.4	3.8	3.2	0.1	0.0	0.8	0.0	14.0
Lighter Amphibious Resupply Cargo 60	esupply Cargo 60										
2-TACOM	SLEP	9.9	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.9
Marine CEN Upgrade											
4-TACOM	Equip Upgrade	1.4	0.4	4.1	6.8	2.0	3.9	6.5	2.8	0.0	27.9
Landing Craft Utility											
	Equip Upgrade	0.0	1.8	2.8	5.4	5.4	6.7	6.7	9.2	0.0	38.0
Logstics Support Vessel	le:										
1-90-08-3130 E	Equip Upgrade	0.0	2.8	6.1	0.9	0.1	0.0	0.0	0.0	0.0	15.0
M9 ACE SIP											
9-TACOM	Readiness	16.0	3.7	4.0	4.2	7.0	5.0	0.0	0.0	0.0	39.9
Combat ID (No P3a Set)	et)										
10-TACOM E	Equip Upgrade	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.2
Laser Leveling Device											
1-98-06-4540 E	Equip Upgrade	0.0	5.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0	6.5
Material Handling Equip (No P3a Set)	iip (No P3a Set)										
5-TACOM E	Equip Upgrade	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.2
D7 Bulldozer SLEP											
6-TACOM	SLEP	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0
Const Equip SLEP											
7-TACOM	SLEP	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0
Const Equip (Np P3a Set)	a Set)										
8-TACOM	Equip Upgrade	0.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	1.3

Exhibit P-40M Budget	OM Budget Ite	m Justific	Item Justification Sheet			Date		February 2000		
Annoniation / Budget Activity/Serial No.				P-1 Item Nomendature	 					
Appropriation outget many Social recognition of the PROCUREMENT / 3 / Other Support Equipment	Equipment					AODIFICATION OF	MODIFICATION OF IN-SVC EQUIPMENT (OPA-3) (MA4500)	T (OPA-3) (MA4500)		
Program Elements for Code B Hems		Code	Other Related Program Elements	am Efements						
Description	Fiscal Years									
OSIP NO. Classification	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	TC	Total
rdnance Ne	P3a Set)									
20-TACOM Equip Upgrade	0.0	2.0	3.1	0.3	0.0	0.0	0.0	0.0	0.0	5.4
Spt Equi										
7-SBCCOM Equip Upgrade	1.0	0.0	0.0	0.0	0.4	23.6	4.8	4.4	0.0	34.2
Driver's Vision Enhancer for M56 (No P3a Set)	•									
5-SBCCOM Equip Upgrade	0.0	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
Smoke Generator, M157 (No P3A Set)										
XX-SBCCOM Modernization	0.0	0.0	2.9	1.5	2.3	0.0	0.0	0.0	0.0	6.8
Total	31.0	22.7	41.5	28.0	20.4	39.3	18.0	17.2	0.0	218.2
						į				

		Z	INDIVIDUAL MODIFICATION	MODIFICA	NOIL						Date	£	February 2000	
MODIFICATION TITLE: Lighter	Lighter Amphibious R	Resupply Cargo 60 2-TACOM	rgo 60 2	-TACON										
MODELS OF SYSTEMS AFFECTED: Lighter Amphibious Resupply Cargo - 60 (LARC-60)	J: Lighter Amphib	ious Resupply	Cargo - 60	(LARC-60)										
DESCRIPTION / JUSTIFICATION:														
This Service Life Extension Program (SLEP) originally involved the modification of 11 craft to extend their useful life by 20 years.	Program (SL	EP) origina	Illy involv	ed the n	nodifica	tion of	11 craf	to exte	and thei	r useful	life by 20	years.	المساد	. +
speed and mobility have been increased. Capability to operate on unimproved beaches is enhanced.	iai capability ii sen increased	Capability	to opera	te on ur	improv	ed bea	ches is	, opera enhanc	ed.			2	5	<u>.</u>
Recently, action has been taken to reduce quantities of TOE required LARCs by 4 vessels. Work on the last 4 units is now held in abeyance	taken to reduc	e quantities	of TOE	required	LARC	s by 4	ressels.	Work	on the l	ast 4 ur	its is now	, held ii	abeya ι	nce
Indefinitely. Funds have been shifted to	een snilled to	cover other watercrait modification enorts.	wateror		Callon									
DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES: PLANNED	DEVELOPMENT	NT MILESTONE		ACCOMPLISHED	SHED									
Kit Procurement	3	3Q/96-2Q/99		30/96	3Q/96-2Q99									
Kit installation	-	1Q/97-1Q/00	0	3Q/97-4Q99	-4Q99									
1-1-1-1					İ									
Installation ocheonie.	FY 1999		FY 2000	8		F	FY 2001		"	FY 2002			FY 2003	
Inputs 5	1 1 1 1 1 1	4 -	1 2	r e	4	2	е	4	-	2	4	-	7	8
-	FY 2004	7	FY 2005	-	<u>.</u> 	FY 2006	Ţ	F	۲۲ 2007 ء ا	7	Tomolete	L of		Totals
Inputs		-		-	-			-	1			2		
Outputs														
METHOD OF IMPLEMENTATION:			ADMINISTRATIVE LEADTIME:	'E LEADTI	ME:	2	Months	<u>R</u>	RODUCTI	PRODUCTION LEADTIME:		8 Months	ths	
Contract Dates:	FY 1999	Jan 99	<u>i</u>	FY 2000				<u>~</u> (FY 2001					
Delivery Date:	FY 1999	Sep 99	٦	FY 2000				٦	FY 2001					

				UDIVIDU	INDIVIDUAL MODIFICATION	Z	:		Date	Februa	February 2000	
		ighter A	oidihdm	us Resupply	Lighter Amphibious Resupply Cargo 60 2-TACOM	ACOM.						
MODIFICATION TITLE (Cont):			-									
FINANCIAL PLAN: (\$ in Millions)	FY 1998	Γ-						!				
	and Prior	₹	FY 1999	FY 2000	200	200	20	500	720	ပ္	TOTAL	
	Qty \$	ğ	€9	Oty \$	Oty \$	\$ A	Ofy \$	Oty &	Cy Cy	r CS	S)	A
RDT&E PROCUREMENT											÷	α
Kit Quantity	6.7	7	<u></u>								=	3
Installation Kits, Nonrecurring												
Equipment												
Equipment, Nonrecurring												
Engineering Change Orders		4.0	0.3									0.7
Training Conjument			-									0.1
Support Equipment			.									
Other					-							
Interim Contractor Support												0
Program Mgt	o 	0.1	0.1						_			!
Installation of Hardware											,	c
FY 1998 & Prior Eqpt Kits	9	2.7	0.5								•	6.3
FY 1999 Eqpt Kits												
FY 2000 Eqpt Kits												
FY 2001 Eqpt Kits EV 2002 Eqpt Kits												
FY 2003 Eqpt kits												
FY 2004 Eqpt kits				-								
FY 2005 Eqpt kits												
TC Equip-Kits	i										_	000
Total Installment	9	2.7	0.2									11.0
Total Procurement Cost	6	6.0	2.0									2

March Month Control					7											•
MODIFICATION TITLE (COLL).	Σ	Marine CEN Upgrade 4-1 ACOM	Upgra	de 4-1AC	<u>i</u>											
FINANCIAL PLAN: (\$ in Millions)																-
	FY 1998 and Prior	FY 1999	_	FY 2000	FY 2001	901	FY 2002	_	FY 2003	FY 2004	900	FY 2005	35	10	TOTAL	-1
	Oty \$	Oty \$	Н	Oty \$	ģ	s	Oty \$	Q.	€	ģ	\$	Oţ	€9	Oty \$	φ	89
RDT&E PROCUREMENT																
Kit Quantity	47 0.3	e		26 3.8	34	4.7			39 3.5	52	4.8	7	0.	12	220	18.
Installation Kits																
Equipment																
Equipment, Nonrecurring																
Engineering Change Orders													•			,
Data				0.2	01											0.2
Training Equipment																
Support Equipment																
Other																
Interim Contractor Support																
Program Management				0.1		0.1		0.2	0.1	_	0.2		0.1			0.8
Installation of Hardware																
FY 1998 & Prior Eqpt Kits	1.1	3	0.4												47	1.5
FY 1999 Eqpt Kits								-								
FY 2000 Eqpt Kits					56	1.7							•		92	1.7
FY 2001 Eqpt Kits					2	0.3	53	1.8							8	2.1
FY 2002 Eqpt kits																
FY 2003 Eqpt kits									7 0.3	32	1.1				£	1.4
FY 2004 Eqpt kits										9	0.4	4	1.7		25	2.1
FY 2005 Eqpt kits		-												7		
TC Equip-Kits								_						12	12	
Total Installment	44	1.1	0.4		31	2.0	29	1.8	7 0.3	3 42	1.5	41	1.7	23	220	8.8
Total Procurement Cost	1.	1.4	0.4	4.1	1	6.8		2.0	3.	6	6.5		2.8			27.9

INDIVIDUAL MODIFICATION

					INDIN	DUAL N	INDIVIDUAL MODIFICATION	VOIT/						Date		Februs	February 2000	
MODIFICATION TITLE (Cont):		6-₽	M-9 ACE, Syst	/stem	Improv	ement	Plan (\$	SIP) P	tem Improvement Plan (SIP) Phases 3 and 4	and 4		9-TACOM	MOS					
FINANCIAL PLAN: (\$ in Millions)		Γ																
	and Prior	_l_	FY 1999	_	FY 2000	-	FY 2001	-	FY 2002	-	FY 2003	FY 2004	-	FY 2005	-	10	TOTAL	Ĭ,
	Oty \$	Н	Qty S	Н	Oth	Н	Qty \$	Н	Oty \$	Н	Oty \$	Qfy 3	\$	Oty \$	ğ	€9	ģ	es
RDT&E PROCUREMENT	2682	٥ ب	280	0	G	0	07	er.	185	ر د	125 3	ας (1					3472	28.4
Installation Kits			8	;	3							?					! :	
Installation Kits, Nonrecurring																		
Equipment North Properties												•	_					
Engineering Change Orders																	···	
Data																		
Training Equipment																		
Support Equipment																		
Other																		
Interim Contractor Support																		
Project Management Support		<u>-</u>		0.7		8.0		8.0	_	9.0	0	0.8						3.9
										-								
																		
Installation of Hardware				-														-
FY 1998 & Prior Eqpt Kits	894	6.5	250														11 4	6.5
FY 1999 Eqpt - Kits					197	0.3											197	0.3
FY 2000 Eqpt - Kits							06	0.1				<u> </u>					6	0.1
FY 2001 Eqpt Kits										0.5							5	0.2
FY 2002 Eqpt kits									20		135 0	0.2					185	0.3
FY 2003 Eqpt kits												12					114	0.2
FY 2004 Eqpt kits				-														
FY 2005 Eqpt kits																		
TC Equip-Kits															1			
Total Installment	894	6.5	520		197	0.3	8	╝	160	0.3	249 0	0.4	\dashv				1840	7.6
Total Procurement Cost	1	16.0		3.7		4.0		4.2		7.0	, L	0.0						39.9

						NDIA	DUAL N	INDIVIDUAL MODIFICATION	ATION		İ					Date		Feb	February 2000	
MODIFICATION TITLE:	: Land	ing Cr	Landing Craft Utility 1	ty 1-9	-96-08-3109	3109													•	
MODELS OF SYSTEMS AFFECTED: Landing Craft Utility (LCU 2000)	S AFFEC	E. L	anding C	raft Utilli	ty (LCU	2000)														
DESCRIPTION / JUSTIFICATION:	IFICATION	ا خ																		
This upgrade will correct safety and operational shortcomings identified by the user community and combat developer. It will also include changes that eliminate environmental hazards to the vessel or crew and also changes that correct technical or operational deficiencies.	l correct ninate e	safet	y and c	perati	ional s	shortco	mings	identif	ied by	the u	ser co	mmur that c	ity and	d com	bat de	velope	er. It w	ill also leficier	includ	Φ
Some examples are: replacement of existing watertight doors with Navy Standard doors, installation of an efficient, low maintenance drinking	are: re	olacer	nent of	existi	ng wa	tertigh	t doors	with P	lavy S	tande	op pi	ors, in	stallati	on of	an effi	cient, I	ow ma	intena	nce dri	nking
water puritier, installation of a reliable oil water sep old four blade propellers with five blade propellers.	stallatior opellers	with 1	reliable five bla	de pro	ater se peller	sparat s.	or that	water separator that meets current pollution standards, new lube oil filtration system, replacement of propellers.	currer	lod 1	rtion s	itande	ras, ne	anı ∧∈	e 0 1	IITATIOL	ı systel	n, rep	асеш	in of
DEVELOPMENT STATUS / MAJOR DEVELOPMENT	TUS / MAJ	OR DE	VELOPIN		MILESTONES:	ACCC	NES: ACCOMPLISHED	開												
Kit Procurement			Ā	FY99-06		•														
Kit Application			Ŧ	FY00-07																
Installation Schoolule:																				
ilistaliation consodie.	Pr Yr		FY 1999	6			FY 2000				FY 2001		H		FY 2002		_	ľ	FY 2003	
	Totals	-	2	8	4	-	2	3	4	1	2	3	4	F	2	3	4	1	2	3
Inputs Outputs					-	-	1	1	-	-	-									
,																				
		FY 2004	40			FY 2005	5	-		FY 2006		-		FY 2007		_	•	욘		Totals
	1	2	3	4	-	7	3	4	-	7	3	4	-	7	က	4	Complete	te		
Inputs	-	_	7	_	Ψ-	7	7	7	-	-	7	7	_							
Outputs	2	┪	-	2	-	1	2	2	2	-	-	~	2	\exists	-	\dashv		\dashv		
METHOD OF IMPLEMENTATION:	ENTATIO				₹	OMINIS	IRATIVE	ADMINISTRATIVE LEADTIME:	ME		o W 9	Months	æ	ODUCT	JON LE	PRODUCTION LEADTIME:	.:	Months	St.	
Contract Dates:		ш	FY 1999	Ž	May 99		፫	FY 2000	Mar 00	8			£	FY 2001	2	Nov 00				
Delivery Date:		_	FY 1999	₹	Aug 99		FY	FY 2000	Jun 00	8			Ε¥	FY 2001	ᄚ	Feb 01				

MODIFICATION TITLE (Cont):	Lai	Landing Craft Utility 1-96-08-3109	aft Util	ity 1-96	-08-31	60											
FINANCIAL PLAN: (\$ in Millions)																	
	FY 1998 and Prior	FY 1999	50	FY 2000	_ 2	FY 2001	-	FY 2002	-	FY 2003	<u> </u>	FY 2004	FY 2005	900	2	TOTAL	¥
	Oty \$	o Ş	€	aty	+	Qty	t	Qty	O	Qty \$	ð	₩	οţ	s	Oty \$	ģ	€>
RDT&E PROCUREMENT																	
Kit Quantity		τ-	0.4	2	0.8	4	1.6	4	9.1	5 2.	2.0	5 2.1	7	2.7	9	34	11.2
Installation Kits																	
Installation Kits, Nonrecurring							- 40										
Equipment																	
Equipment, Nonrecurring											• • •						
Engineering Change Orders			0.1														0.1
Data			0.1														0.1
Training Equipment			0.1														0.1
Support Equipment																	
Othor																	
Octob																	
Interim Contractor Support										•				(,
Program Management			0.2		0.2		0.3		0.3	0	0.2	0.2	N .	0.2			9.1
									<u>.</u>								
Installation of Hardware																	
FY 1998 & Prior Eqpt Kits																	
EV 1999 Fant Kits		_	6.0		-											_	0.9
## 1000 CA		•		•	α,											2	1.8
TV 2004 Fast Vite				ı		٧	7									4	60
FI ZOOI EURI						٢	?	•	L								
FY 2002 Eqpt kits								4	o.5							+ L	0. 1
FY 2003 Eqpt kits					••					ъ 4	4.5 -					ဂ	t.5
FY 2004 Eqpt kits												5 4.4					4.4
FY 2005 Eqpt kits													_	6.3		7	6.3
TC Equip-Kits							-								9	9	
Total Installment		1	0.9	2	1.8	4	3.5	4	3.5	5 4		5 4.4	4 7	6.3	9	34	24.9
Total Procurement Cost			1.8		2.8		5.4		5.4	9	6.7	6.7	7	9.2			38.0

Date

INDIVIDUAL MODIFICATION

							NDIVIE	JUAL I	INDIVIDUAL MODIFICATION	CATIC	z							Date			February 2000	2000	
MODIFICATION TITLE:	Logistics Support Vessel 1-90-08-3130	ics S	oddn	t Ves	sel 1)-06-	8-31;	30															
MODELS OF SYSTEMS AFFECTED: Logistics Support Vessel (LSV)	S AFFECTI	ED: L	ogistics	Supp	ort Ves	sel (L	()(
DESCRIPTION / JUSTIFICATION:	FICATION																						
This upgrade will correct safety and operational shortcomings identified by the user community and combat developer. It will also include changes that eliminate environmental hazards to the vessel or crew and also change that eliminate environmental hazards to the vessel or crew and also change that eliminate environmental hazards to the vessel or crew and also change that correct technical or operational deficiencies. Some	correct sinate en	safet wiror	y and iment	oper al ha:	ation zards	alsh tot	ortcol	mings seelo	ident r crew	tified / and	by the	e use chan	r com ye tha	munit it con	ty and ect te	l comt	oat de al or o	velop	er. It	will als deficie	so incles	ude Son	ne
examples are; replacement of existing watertight doors with Navy Standard doors, installation of an efficient, low maintenance drinking water purifier, installation of a reliable oil water separator that meets current pollution standards, new lube oil filtration system, replacement of old	placeme on of a re	int of ⊮iabl	existi e oil v	ng wa vater	aterti sepa	ght d rator	oors that	with Name	lavy S curre	Stand ent po	ard d	oors, n stai	instal ndard	lation s, nev	of an v lube	atertight doors with Navy Standard doors, installation of an efficient, low maintenance drinking wate separator that meets current pollution standards, new lube oil filtration system, replacement of old	ent, lo tratio	w ma n syst	intena em, re	ince d iplace	Irinkin ment	g wat	ē
four blade propellers with five blade propellers.	lers with	five	blade	prop	ellers	.á																	
DEVELOPMENT STATUS / MAJOR DEVELOPMENT PLANNED	US / MAJO	OR DE	VELOF	VELOPMENT PLANNED	MILE	MILESTONES: AC	SES:	MPL	VES:	0													
Kit Procurement Kit Application			FΥ9 FΥ9	FY99-02 FY99-02																			
Installation Schedule:																							
	Pr Yr		FY 1999	366				FY 2000				占	FY 2001				FY 2002	_	\dashv	ł	FY 2003	8	
Inputs Outputs	Totals	-	2	3		4 -		7 -	E +	4 -		1		- 3	4 1-		7	ю	4	-	7	е -	4
									-									ŀ		-			
		FY 2004	- 1			-	FY 2005	- 1	\dagger	ľ	2	8		4	-	FY 2007	.	1	,	٥		Η	Totals
	-	7	e	4			7	6	4	F	2	3		4	-	2	က	4	Complete	ete			
Inputs Outputs																							5
METHOD OF IMPLEMENTATION:	ENTATION					AD	INIST	RATIVI	ADMINISTRATIVE LEADTIME:	TIME		9	Months	દ્ય	PRC	PRODUCTION LEADTIME:	ON LE	ADTIM	ш	Ž ®	Months		
Contract Dates:			FY 1999 FY 1999		May 99 Jan 00	<u>م</u> د		ב ב	FY 2000 FY 2000	_	Mar 00 Nov 00				7 7	FY 2001 FY 2001	® 2	Mar 01 Nov 01					
course) care:				l																			

			INDIVIDO	INDIVIDUAL MODIFICATION	CATION				Date	Februar	February 2000	Г
MODIFICATION TITLE (Cont):	Γο	Logistics Support Vessel 1-90-08-3130	rt Vessel 1-£	30-08-313(
FINANCIAL PLAN: (\$ in Millions)	l	•										
	FY 1998 and Prior	FY 1999	FY 2000	FY 2001	01	FY 2002	FY 2003	FY 2004	FY 2005	101	TOTAL	Т
	Offy \$	\$ Ap	S AU	ð	+	Oth \$	\$ A	Oty \$	Qty \$	Qty \$	Oty \$	
RDT&E			,									
Kit Quantity		1 0.4	7	1.0	1.0						ĸ	2.4
Installation Kits									-		-	
Installation Kits, Nonrecurring												
Equipment												
Equipment, Nonrecurring												
Engineering Change Orders												
Data												
Training Equipment												-
Support Equipment												
Other												
Interim Contractor Support												
Drogon Monocont				0.0	0	-					_	9
Togian Managanan		3		i	į	5						?
Installation of Hardware												
FY 1998 & Prior Eqpt Kits												
FY 1999 Eqpt - Kits		1 2.3										2.3
FY 2000 Eapt Kits			7	4.9							7	6.4
FY 2001 Eapt - Kits				7	8.4							8.4
FY 2002 Eqpt kits												_
FY 2003 Eqpt – kits												
EV 2004 East kits					-							
FY 2005 Eapt kits												
TO Foring-Kits												
Total Installment		1 2.3	2	4.9 2	4.8						5 12	12.0
Total Dragingment Cost		86			9	c					-	5
I Otal Procurement Cost		7.0			2.0	5					•	3

					NDN	'IDUAL	INDIVIDUAL MODIFICATION	CATIO	z						١	Date		February 2000	2000	Ī
MODIFICATION TITLE: La	Laser Leveling Device 1-98-06-45-40	ling Dev	rice 1-	0-86	3-45-	g.														
MODELS OF SYSTEMS AFFECTED: Laser Leveling Device	ECTED: L	ser Leveli	ng Devi	8																
DESCRIPTION / JUSTIFICATION:	TION:																			
The Laser Leveling Device/Equipment is	evice/Eq	uipment		ed to	deter	mine s	slopes	, cut &	and fill	point	s and i	grade.	It is t	o be ii	nstalle	d on the	he Arn /filling	used to determine slopes, cut and fill points and grade. It is to be installed on the Army's current	rrent de in	
fewer passes, with consistent accuracy at higher operating speeds, day or night. Surveying operations are also improved.	avers arre	accuraci	athi	gher	opera	iting s	beeds,	day	or nigh	nt. Su	ırveyin	g oper	ations	are a	lso im	prove) Ti)		
													:							
DEVELOPMENT STATUS / MAJOR DEVELOPMENT	MAJOR DE	VELOPME		MILESTONES:	NES:							i								
MILESTONES		PLANNED	Ü	₹í	Ō C C	ACCOMPLISHED	모													
Kit Procurement	_	FY00		í.	FY01															
Kit Application	_	FY00		Ē	FY01															
Installation Schedule:																				
PrYr		FY 1999	_	\dashv	ŀ	FY 2000	- 1	7		FY 2001	- 1			FY 2002		1	ŀ	FY 2003		ľ
Totals	~	7	m	4	-	48	25	3 25 4	25 -	25 2	32	4	-	7	7	4	-	4	2	7
Sindino			-	1	1							1								
	FY 2004	8	H		FY 2005	95			FY 2006	900			FY 2007	200			10		-	Totals
	1 2	3	4	F	2	9	4	F	2	3	4	-	2	3	4	ਠੈ	Complete			
Inputs																				123 123
METHOD OF IMPI EMENTATION:	Ż			┨		TRATIL	ADMINISTRATIVE I EADTIME:	OTIME		၉	Months		RODU	CTION	PRODUCTION LEADTIME:	IME:	9	Months		
Contract Dates:	_	FY 1999	Ma	Mar 00			FY 2000	-	Mar 00	•			FY 2001							
Delivery Date:	ш	FY 1999	Ā	Aug 00		"	FY 2000		Aug 00				FY 2001							

			INDINI	DUAL MC	INDIVIDUAL MODIFICATION	z			Date	Febru	February 2000	
MODIFICATION TITLE (Cont):	Га	Laser Leveling	Device 1-98-06-45-40	8-06-45	5-40							
FINANCIAL PLAN: (\$ in Millions)												
and the second	FY 1998	EV 1000	EV 2000	-	EV 2004	EV 2002	EV 2003	EV 2004	EV 2005	ÜĮ.	TOTAL	
	Qfy \$	Oty \$	\$	10	\$ ×	Ofy \$	Ofy S	Oty S	Qty \$	Oty \$	Qty	. ⊌
RDT&E	,											
PROCUREMENT			ç								5	7
Kit Quantity		100 4.0	83	-							3	
Installation Kits												
Installation Kits, Nonrecurring		-										
Equipment Noncourring												
Equipment, Nomecuming												
Data Data												
Training Equipment												
Support Equipment												
Other			-									
Interim Contractor Support												
melini comacci captori		-					•					2
Program Management Spt		o'	Ņ	O.Z								t S
				<u>.</u>				. ===				
Installation of Hardware										- 1. -		
TX 1000 a Date of Late		•	•								Ş	ď
FY 1998 & Prior Eqpt Nits		3	ć	- 6							2 8	9 0
FY 1999 Eqpt Kits			23	7.0							3	7.0
FY 2000 Eqpt Kits												
FY 2001 Eqpt Kits										_		
FY 2002 Eqpt Kits												
FY 2003 Eqpt Kits												
FY 2004 Eqpt Kits												
FY 2005 Eqpt Kits												
TC Equip-Kits												
Total Installment		100 0.8	23	0.2							123	1.0
Total Progurement Cost		5.	0	1.5								6.5

			INDIVIDUA	INDIVIDUAL MODIFICATION	Z			Date	Februa	February 2000	П
MODIFICATION TITLE (Cont):	D7 Bulldozer SLEP, 6-TACOI	EP, 6-TACOM								9	T
FINANCIAL PLAN: (\$ in Millions)	1000										
	and Prior	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	/ 200	TC	OTAL	П
	Qty \$	Qty \$	Ωty \$	Qt⁄y \$	Oty \$	Oty \$	Oty \$	Oty \$	Cty \$	Qty \$	
RDT&E											
PROCUREMENT											(
Kit Quantity			94 9.8						·	96	ω. 8:
Installation Kits											
Installation Kits, Nonrecurring											
Equipment											
Equipment, Nonrecurring											
Engineering Change Orders											
Data											
Training Equipment											
trought Damin											
Support Equipment											
Other											
Interim Contractor Support											
Program Management Spt			0.2								0.2
Installation of Hardware											
FY 1998 & Prior Equt Kits											
EV 2000 Foot Kits											
EV 2001 Eqpt Kits											
EV 2002 Equt Kits											
- 1 2002 Edpt - 1502											
r i zoos Equi - rits											
FY 2004 Eqpt Kits											
FY 2005 Eqpt Kits							_				
TC Equip-Kits											Ţ
Total Installment			8							94	Ţ
Total Procurement Cost			10.0								0.0

						Z	DIVIDL	INDIVIDUAL MODIFICATION	JIFICA'	NOIL							Date		February 2000	
MODIFICATION TITLE: Construct MODELS OF SYSTEMS AFFECTED	Con S AFFEC	struct TED:	Construction Equpment SLEP, 3-TACOM FFECTED:	nbme	nt SL	EP, 3	-TAC	MC												
DESCRIPTION / JUSTIFICATION:	IFICATIC	ä																		
The service life ofnthe current Army fleet Service Life Extension Program (SLEP), I	finthe consion P	urrent rogra	Army m (SL	fleet c EP), h	of Scraave b	apers een,	, Bulk or wil	dozers be ex	Load	lers, a ≯d in tl	ind Wa	ater D 86-94	istribu time 1	itors cirame.	overed The s	d under	Constille of t	ruction hese ve	of Scrapers, Bulldozers, Loaders, and Water Distributors covered under Construction Equipment have been, or will be exceeded in the FY86-94 time frame. The service life of these vehicles will be	t I be
extended another 10-15 years by rebuildii During SLEP, technology insertions may	- 10-15 hnolog	years y inse	by rel		ig the	entire led to	the v	cle to i	nclud The	e majo cost to	or corr	iponei nd the	nts su servi	ch as ce life	the en of eac	gine, t sh of th	ansmis ese sys	ng the entire vehicle to include major components such as the engine, transmission, hy be added to the vehicle. The cost to extend the service life of each of these systems is	ng the entire vehicle to include major components such as the engine, transmission, hydraulics, etc. be added to the vehicle. The cost to extend the service life of each of these systems is	etc.
approximately 25-33% the cost of a new vehicle.	-33% t	င်္လ ၁	st of a		ehick	<u></u>	e tinis	ned pa	odnci odnci	MIII N	ave a	pproxi	matel	y me s	аше	unomi	or serv	alice IIIe	vehicle. The finished product will have approximately the same amount of service life as a new	
DEVELOPMENT STATUS / MAJOR DEVELOPMENT PI ANNED	TUS / MA	JORD	DEVELOPME PI ANNED	MENT	MILESTONES:	TONE	ESTONES: ACCOMPLISHED	H. C.												
Equipment Procurement	ıremeni		FY00	}			í	ì												
															į					
Installation Schedule:										-				-					0000	
	Pr Yr Total	-	FY1999	3	4	Ĺ		FY 2000	3	4	+	2 2001	6	4	-	2 2 2	3 4	=	2 2 Z	3
Inputs Outputs											16 15 1	11								
		FY 2004	8			<u> </u> [FY 2005			[4	FY 2006		igert	"	FY 2007		1	To		Totals
	-	2	3	4			2	<u>'</u>	4	_	7	9	4	-	2	e	4	Complete		
Inputs Outputs																				31 31
METHOD OF IMPLEMENTATION:	ENTATIC	ä				ADM	NISTR	ADMINISTRATIVE LEADTIME:	EADTI	Ų.	9	Months	ths	 ਸ਼	DUCT	PRODUCTION LEADTIME:	DTIME:	4	Months	
Contract Dates:			FY 1999					FY 2000	8	Jun 00	0			FY 2001	9					
Delivery Date:			FY 1999					FY 2000	8	Sep 00	ရ			FY 2001	901					

			/NGI/IDNI	INDIVIDUAL MODIFICATION	NC			Date	Februa	February 2000
MODIFICATION TITLE (Cont):	ပိ	Construction Equipment SLEP, 3-TACOM	uipment SLE	Р, 3-ТАСОМ						
FINANCIAL PLAN: (\$ in Millions)	Ĺ									
	and Prior	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	TC	OTAL
	Oty \$	Oty \$	Oty \$	Oty \$	Qty \$	Oty \$	Oty \$	\$ 40	\$ AD	Qty \$
RDT&E										
PROCUREMENT										
Kit Quantity										
Installation Kits										
Installation Kits, Nonrecurring										3
Equipment			31 3.9							<u>.</u>
Equipment, Nonrecurring				-						
Engineering Change Orders										
Data										
Training Equipment										
Support Equipment										
Other										
Interim Contractor Support										
Program Management Spt			0.1							-

Installation of Hardware										
FY 1998 & Prior Eqpt Kits										
FY 1999 Eqpt Kits										
FY 2000 Eqpt Kits										
FY 2001 Eqpt Kits										
FY 2002 Eqpt Kits										
FY 2003 Eqpt Kits										
FY 2004 Eqpt Kits										
FY 2005 Eqpt – Kits										
TC Equip-Kits										
Total Installment			31							31
Total Procurement Cost			4.0							

Exhibit P-40,	Justification Sheet
	Item
	Budget

								Date:				
		Exhibit P-40, Budget I		tem Justification Sheet	ation Sheet					September 1999		
Appropriation / Budget Activity/Serial No:	al No:					P-1 Item Nomenclature:	ıre:					
ITO	OTHER PROCUREMENT / 3 / Other Support Equipment	/3/Other Support E	-quipment					PRODUCTI	PRODUCTION BASE SUPPORT (MA0450)	T (MA0450)		
Program Elements for Code B Items:	is:			Code:	Other Related Program Elements:	am Elements:					9	
	Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Qty												
Gross Cost	290.0	1.9	2.2	2.2	2.4	2.4	2.5	2.5	2.6	2.7	0.0	311.4
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	290.0	1.9	2.2	2.2	2.4	2.4	2.5	2.5	2.6	2.7	0.0	311.4
Initial Spares												
Total Proc Cost	290.0	1.9	2.2	2.2	2.4	2.4	2.5	2.5	2.6	2.7	0.0	311.4
Fiyaway U/C												
Wpn Sys Proc U/C												

facilities. Enhancement of the current capabilities improves productivity of data acquisition and analysis. The rehabilitation of a variety of industrial plant equipment is required to ensure the continuing capability to perform assigned tasks of production acceptance testing and product improvement testing of Army materiel. DESCRIPTION: The Production Base Support program sustains and improves our current capabilities through the purchase of equipment, instrumentation, and

JUSTIFICATION: Funding in FY01 will be used for replacement or upgrade of equipment and instrumentation used in production testing at Yuma, Aberdeen Proving Grounds, and the Cold Region Test Center, Ft. Greely, Alaska.

								Date:				
		Exhibit P-4	Exhibit P-40, Budget Item Justification Sheet	em Justifica	ation Sheet					February 2000		
Appropriation / Budget Activity/Serial No:	I No:					P-1 Item Nomendature:	:e					
ОТН	OTHER PROCUREMENT / 3 / Other Support Equipment	7/3/Other Support E	quipment					BUILDING, PRI	BUILDING, PRE-FAB, RELOCATABLE (MA9160)	ILE (MA9160)		
Program Elements for Code B Items:				Code:	Other Related Program Elements:	ım Elements:						
				¥								
	Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Otv												
Gross Cost	9.1	0.0	0.0	15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.1
Less PY Adv Proc				i								
Plus CY Adv Proc												
Net Proc (P-1)	9.1	0.0	0:0	15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.1
Initial Spares												
Total Proc Cost	9.1	0.0	0:0	15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.1
Fiyaway U/C												
Mon Syn Droc 11/C												

from 8 to 9 weeks and a decrease in One Station Unit Training (OSUT) demand. The temporary barracks will be fully equpped, pre-engineered buildings erected on the appropriate foundations. These buildings can be erected relatively quickly and disassembled and relocated as needed. A trainee barracks modernization program is being initiated which will replace existing deteriorated barracks to meet an estimated 21 company set capacity shortfall. The modernization program, however, will not result in usuable facilities until 2003 at the earliest, and will not cover the capacity shortfall until 2005 or later. DESCRIPTION: Relocatable building are required to house incoming trainees as a result of an increase in accessions, increase in Basic Combat Training (BCT) during

Exhibit P-5, Weapon TOTAL		Appropriation/ Budget Activity/Serial No:	get Activity,	/Serial No:		2-1 Line Iten	P-1 Line Item Nomenclature:			Weapon System Type:		Date: Febri	February 2000
	₽		FY 98			FY 99			FY 00			FY 01	-
Cost Elements	8	TotalCost	Qty	UnitCost		Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Oth	UnitCost
	Ħ	000\$	Each	000\$	000\$	Each	\$000	000\$	Each	\$000	\$000	Each	\$000
Temporary Barracks	۷				15000	Φ	1875						
]					1							

Exhibit P-5, Weapon System Cost Analysis

Exhibit	Exhibit P-5a, Budget Procurement History and Planning	listory ar	nd Planning					Dale:	February 2000	00
Appropriation / Budget Activity/Serial No:		Weapon System Type:	m Type:		P-1 Line Item Nomenclature:	somenclature				
OTHER PROCUREMENT / 3 / Other Support Equipment						BUILDING, P	BUILDING, PRE-FAB, RELOCATABLE (MA9160)	TABLE (M.		
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date Date of First	Date of First	ρ	Unit Cost	Specs		RFP Issue Date
Fiscal Years		and Type			Delivery	Each	\$000	Now	Avail	
Temporary Barracks FY 99	TBS	FFP	TRADOC	Mar-00	Mar-00 May-00	ω	1875	>		
REMARKS: These buildings are commercial off the shelf items.	shelf items.									:

								Date:				
		Exhibit P-40, Budget	0, Budget It	em Justific	Item Justification Sheet					February 2000		
Appropriation / Budget Activity/Serial No:	ial No:					P-1 Item Nomenclature:	.e:					
DO	OTHER PROCUREMENT / 3 / Other Support Equipment	/3/Other Support E	=quipment					SPECIAL EQUIPA	SPECIAL EQUIPMENT FOR USER TESTING (MA6700)	STING (MA6700)		
Program Elements for Code B Items:	ns:			Code:	Other Related Program Elements:	am Elements:						
	664759			A/B			OMA - 122011	122011				
	Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Oty												
Gross Cost	257.7	13.5	14.6	14.6	16.8	24.3	16.3	15.6	13.8	13.8	0.0	401.1
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	257.7	13.5	14.6	14.6	16.8	24.3	16.3	15.6	13.8	13.8	0.0	401.1
Initial Spares												
Total Proc Cost	257.7	13.5	14.6	14.6	16.8	24.3	16.3	15.6	13.8	13.8	0:0	401.1
Flyaway U/C												
Whn Sve Proc 11/C												

Force Development Testing and Experimentation (FDTE) and Army Warfighting Experiments (AWE). Each initiative set forth in this program element is directly tied to realistic, encrypted, Real Time Casualty Assessment (RTCA) capability to measure the performance of hardware and personnel under tactical conditions for small and DESCRIPTION: This program provides funding for Major User Test Instrumentation, finances procurement of major field instrumentation of Operaional Testing, (OT) large-scale operations "up to 1830 players." MAIS is the US Army's only encrypted high-fidelity RTCA capability and is used to test all current and future US Army tactical systems that support each of the five Modernization Objectives; Protect & Sustain; Protect the Force; Win Information War; Conduct Precision Strikes; and Dominate the Maneuver Battle. Cornerstone is the Mobile Automated Instrumentation Suite (MAIS) that provides the Operational Test community a high fidelity, weapons and weapon systems in a force-on-force operational environment. The MAIS program includes three major thrust areas: MAIS Pre-Planned Product Improvement (P3I), Instrumentation XXI, and Protocol Data Unit (PDU) Gateway. Without these capabilities, the Operational Test community will encounter shortcomings in its ability to adequately assess Army Transformation developments.

			Date
Exhibit P-40C Budget It	em Justific	jet Item Justification Sheet	February 2000
Appropriation / Budget Activity/Serial No.		P-1 Item Nomendature	
OTHER PROCUREMENT / 3 / Other Support Equipment			SPECIAL EQUIPMENT FOR USER TESTING (MA6700)
Program Elements for Code B Items	Code	Other Related Program Elements	
664759	ΑB		

JUSTIFICATION:

of operational testing, Heavy-Load Equipment Transporter will be used to transport threat systems and other oversize/overweight support equipment, Fiber Optics Range individual soldiers to test emerging technologies and upgrades to weapon systems in a combat realistic field environment. FY01 funding also supports acquisition of the tactics, and organizations in an operational environment. The player units will be mounted on ground vehicles, fixed wing aircraft, helicopters, crew served weapons and following procurement items under the OPTEC Test Instrumentation Program (OTIP): Threat Radio Net Upgrade will be used to supply a realistic threat force in support Network, unlike copper wire cables, will support the high rate video and digital data signals generated by TMD systems, Communications Assets, representing current simultaneous, geographically dispersed weapons system test events. The MAIS will provide the capability to meet the test and evaluation needs for future hardware, Weapons player units, 4 fixed wing player units and 1 command, control & communications center. The existing C3I center requires retrofit due to obsolescence and The MAIS FY01 procurement buys 400 Micro Programmable Electronic Units and 400 Interface Kits for the MAIS Ground Vehicle Player Units, 16 Crew Served supportability issues of its current hardware and software. A second C3 Center is required to support a demanding operational test schedule, which includes worldwide communications technology, will serve as target communications to support operational testing of new jamming systems.

Exhibit P-5, Weapon		Appropriation/ Budget Activity/Serial No:	3udget Activit	y/Serial No:		P-1 Line Item	P-1 Line Item Nomenclature:		>	Weapon System Type:	Type:	Date:	000
OPA Cost Analysis		OTHER PRO	CUREMENT / Equipment	OTHER PROCUREMENT /3/Other Support Equipment		SPECIAL EC	SPECIAL EQUIPMENT FOR USER LESTING (MA6700)	USEK IESTING				OBL .	rebruary 2000
	₽		FY 98			FY 99			FY 00			FY 01	
Cost Elements	8	TotalCost	ğ	UnitCost	TotalCost	Qfy	UnitCost	TotalCost	Αψ	UnitCost	TotalCost	Qty	UnitCost
		000\$	Each	000\$	000\$	Each	000\$	000\$	Each	\$000	000\$	Each	\$000
MAJOR USER TEST INSTRUMENTATION	В												
A. MAIS Ground Vehicle Player Unit (PU) - Transceiver Control Module (TCM) - Weapons Performance Module (WPM)					903	92	10	3600	225	16			
- Micro Programmable Electronics (MPE)											2500	400	9
B Player Unit Interface Kits								006	225	4	1600	400	4
C. Dismounted Troop Player Unit					7677	300	26						
D. Air Frame Player UnitsRotary Wing Player UnitsFixed Wing Player Units											1236	4	308
E. Crew Served Weapons Surrogate											816	16	51
F. Interim Contractor Logistics Support					2133			2032					
G. Engineering Support					187			200			200		
H. Level-of-Effort Non Recurring Engineering (LOE/NRE) Production					2000			1225			848		
I. Command, Control, and Commo Center			··-					1700			10000		10000
J. Audio Visual Cue Devices- Launchers- Cartridges											750 250	150	2 +
K. OPTEC Sustaining					1207			1480			2103		
L. Threat Simulators					504			5638			4041		
TOTAL					14611			16775			24344		

								Date:		
Exhibit F	Exhibit P-5a, Budget Procurement History and Planning	listory ar	nd Planning					Fe	February 2000	
Appropriation / Budget Activity/Serial No:		Weapon System Type:	n Type:		P-1 Line Item Nomenclature:	vomenclature:				
OTHER PROCUREMENT /Other Support Equipment / 53901572					SP	ECIAL EQUIP	SPECIAL EQUIPMENT FOR USER TESTING (MA6700)	TESTING (MA6700)	
WBS Cost Elements:	Contractor and Location	Contract	Location of PCO	Award Date	Date of First	αту	Unit Cost	Specs Avail	Date Revsn	RFP Issue Date
Fiscal Years		and Type			Delivery	Each	\$000	_	Avail	
A. MAIS Ground Vehicle Player Units (PU) - Transceiver Control Module (TCM): FY99 - Weapons Performance Module (WPM): FY00 - Micro Programmable Electronics (MPE): FY01	Lockheed Martin, Akron, OH TBD TBD	Option FPI FFP	NAWC, Orlando, FL TBD TBD	Mar-98 Jul-00 Nov-00	Sep-00 Jul-01 Oct-01	95 225 400	01 9	YES YES YES		
B. Player Unit Interface Kits FY00 FY01	Various	<u>G</u>	Various	Jul-00 Nov-00	Jul-01 Oct-01	225	4 4	YES		
C. Dismounted Troop Player Units: FY99	Lockheed Martin, Akron, OH	Option	NAWC, Orlando, FL	Mar-98	May-00	300	26	YES		
D. Air Frame Player Units- Fixed Wing Player Units: FY01	ТВD	E.	ТВО	Nov-00	Oct-01	4	309	YES		
E. Crew Served Player Units: FY01	TBD	FFP	TBD	Nov-00	Oct-01	16	51	YES		
I. Command, Control, & Commo Center: FY01	Various	룝	Various	Nov-00	Oct-01	-	10000	YES		
J. Audio Visual Cues - Launchers: FY01 - Cartridges: FY01	Cubic, San Diego, CA	Option	NAWG, Orlando, FL	Nov-00 Nov-00	Sep-01 Sep-01	150	3 -	YES		
REMARKS:									1	

EY 00 / 01 BUDGET PRODUCTION SCHEDULE	S	TION SC	HEDO	<u></u>			!	!	SPEC	SPECIAL EQUIPMENT FOR USER TESTING (MA6700)	MHI)	ENTE	OR US	JER TI	ESTIN	G (M	(6700)	_			-					February 2000	y 2000			٦
	r		ľ	PROC /	ACCEP.	BAL				f	Fiscal Year 00	Year	8				H					Fisc	Fiscal Year 01	ăr		ľ			_	_
	Σ		Ø	Ę	PRIOR	DUE			Ц				Cale	Calendar Year 00	Yea	8			ŀ	+	ŀ	ŀ	- a	ಐ	<u></u>	Year 01	ŀ	┝	- -	∢ 1
ENEME IS TROUGH	шœ	È	ш ac ;	Each		AS OF 1 OCT	00+	20>	¬ ∢ Z	шша	Σ∢α	4 a a	≥ ∢≻	7 D Z	ر د د د د د	v ⊃ ७	ωшα	0 U F	z 0 >	ошо	¬ ∢ z	T III 10	244	< 0 K	∑∢≻	っって	ר ח	V D Q		- ш «
A MAIS Ground Vehicle Player Units			1	T	1		╁	╄	╄	_			Π	Г	П	П	Ħ	H	H	H	H	H	H	H	H	H	H	Н	\sqcup	
T	4	FY99	⋖	95	0	95		L	_	L							8	\dashv	\dashv	┥	\dashv	+	\dashv	_	+	+	+	\dashv	4	T
all ell	-	FY00	4	225	0	225	\vdash	_		L.					٧			_	\dashv	\dashv	\dashv	\dashv	┥	+	\dashv	7	525	\dashv	4	٦
- Micro Programmable Electronics	2	FY01	⋖	400	0	400		Н	Ц	Щ					7		寸	\dashv	₹	\dashv	\dashv	\dashv	\dashv	\dashv	\dashv	+	+	+	4	§
										_						7	7	\dashv	\dagger	\dagger	+	\dagger	+	+	\dagger	\dagger	\dagger	+	+	T
B. Player Unit Interface Kits	က	FY00	۷	225	0	225		\dashv			\Box				~	7	1	\dashv	\dagger	十	\dagger	十	+	\dashv	+	7	525	+	+	
	3	FY01	٨	400	0	400		\dashv	_	4	\int					1	7	7	<	+	十	+	+	+	$^{+}$	+	+	+	4	8
								\dashv	4	_	$oxed{\int}$			T		7	+	\dagger	\dagger	\dagger	+	\dagger	+	\dagger	+	\dagger	\dagger	+	+	Т
C. Dismounted Troop Player Unit	4	FY99	∢	300	٥	300	\exists	\dashv	+	4	\perp		8	ţ	120	8	十	+	+	+	\dagger	+	+	╅	+	╁	+	+	+	
							_	+	+	\perp	\perp						+	T	+	+	十	\dagger	+	\dagger	\dagger	+	+-	+	+-	T
D. Air Frame Player Units	L	200	Š		6	,	1	+	\downarrow	\downarrow	\perp	Ĺ	Ι			Τ	T	T	│	t	t	\vdash	H	H	H	t		\vdash	L	4
- Fixed Wing Player Units	n	101	<	4	5	4	1	+	+	_							T	1	T	-	T	T	+	╁╌	十	\vdash]
E Craw Served Weapons Surrogate	9	FY01	⋖	16	0	16		+	╀	\vdash							П	П	4	H	H	Н	H	H	H	H	H	\dashv	H	16
L. Clew Col vod Today								_	_	_	<u> </u>										\dashv	+	\dashv	7	┪		\dashv	\dashv	4	٦
I. Cmd, Control, and Commo Center	7	FY01	۷	1	٥	-		H	H	igdash	Ц	Ц					\dashv	\top	<	十	\dashv	+	+	+	+	t	+	+	+	_
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 Audio Visual Cue Devices 							1	+	+	+	\downarrow		\int			I	T	T	†.	\dagger	\dagger	\dagger	\dagger	\dagger	\dagger	\dagger	\dagger	╀	150	Τ
- Launchers	8	FY01	4	120	0	120		+	+	4	1	_					1	1	7	\dagger	+	\dagger	\dagger	t	t	t	\dagger	1	9	T
- Cartridges	8		۷	250	0	250		+	+	+	\downarrow	_		I				1	+	\dagger	\dagger	+	\dagger	T	\dagger	†	\dagger	+		Τ
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	ı	ď	PODI ICTI	PRODUCTION RATES		,	MFR	-	ł	-		L	18	ADMIN LEAD TIME	EAD 1	¥			MFR	T	ř	TOTAL	-	REA	REMARKS	S				
₩ 4						REACHED	z	ě				a.	Prior 1 Oct.	<u>\</u>	¥	After 1 Oct	ij	¥	After 1 Oct	Ţ	Affe	After 1 Oct	1	Base	d on c	urrent	fundir	ig profi	Based on current funding profile, each	۲ ے
NAME / LOCATION		MIN	+	1-8-5	MAX.	÷	4		INITIAL		Ц		2			-	1		إعِ	7		اءِ	T	Subse		ction.	MFR.	subsequent F1 will eliturate scrieda initial production. MFR: 6 months	subsequent FT will eliturate scriedure or initial production. MFR: 6 months	5
TBD (Weapons Perfo								쭚	REORDER	쏡	4	4	~			9	T		9	†		16	Ī	procu	remen	ıt, 2 m	onths	to Kit,	procurement, 2 months to Kit, 4 months	શ
	П						<u>_</u>	<u>≥</u> ö	INITIAL	ļ.	+	\downarrow			\perp		T			十			Ť		ld, 2 p	lus mo	onths t	to build, 2 plus months to test a	to build, 2 plus months to test and ship.	<u>.</u>
		S		250	750		ļ		INITIA		1	1			L		Γ			T			Π		icuon r ants wi	Production rates are for all call produced in the production of th		ine.	_	
4 Lockheed Martin, Akron, Ohio (DMT PU & ICM)		B		3	3			ď	REORDER	띪	H	Ц			Ц		П			Ħ			П	,			•			
6 TBD (Crew Served Weapons Player Units)							L,	킬	INITIAL		Н	Ц			\perp					†			Т							
	٦							ď	REORDER	緩	4	4			1		T			t			T							
8 Cubic, San Diego, CA (Adio Visual Cue Devices)								<u>≥ ö</u>	INITIAL	l _e	+	1			\perp		T			T			Τ							
	ì						-	1	<u>;</u>	í	1	1	١							l										

FY 00 / 01 BUDGET PRODUCTION SCHEDULE	UCTIO	N SC	#EDUL	щ			<u>.</u> -	P-1 Item Nomenciature: SPECIAL E	SPEC	ienciature: SPECIAL EQUIPMENT FOR USER TESTING (MAG700)	NOIPN	ENT	OR U.	SER TI	STIN	G (MA	6700)				Cale	ej			중	February 2000	2000		
	L	r	F	200	ACCEP.	BAL				Ε	scal	Fiscal Year 02	20		l		<u> </u>				ľ	isca	Fiscal Year	<u>r</u>	L		l	Γ	-
	Σ				PRIOR	DUE		İ	H		l		Cale	Calendar Year 02	Yea	r 02				H		ľ	aler	dar	Calendar Year 03	.03			∢
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A. MAIS Ground Vehicle Player Units					_			Н	Н	Н								Н	Н	Н		Н	Н	Н	Н				
- Transceiver Control Module	4 F	FY99	٧	95	95		-	Н	Щ								H	\dashv	\vdash			4	_	_	_				
- Weapons Performance Module	1 F	FY00	Α	225	225			_													\dashv	4	4	\dashv	\dashv				
- Micro Programmable Electronics	2 F)	FY01	A	400	0	400	400	Н	-							Ħ	H	\dashv	\dashv	\dashv	\dashv	\dashv	_	\dashv		_			
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 B. Player Unit Interface Kits 	3 F)	FY00	Α	225	225				-	_	_					┪	┪	┪	\dashv	ᅱ	\dashv	\dashv	4	\dashv	\dashv	_	4		
	3 F	FY01	٧	400	0	400	400							T			\neg	_	\dashv	-	_	\dashv	_	\dashv	4	4	4		
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C. Dismounted Troop Player Units	4 F	FY99	٧	300	300			\dashv			_							\dashv	\dashv	\dashv	\dashv	-	4	-	4	_	_		
								\dashv	4	\dashv	_	╛				┪	7	\dashv	+	4	\dashv	4	4		\dashv	_	4		
 D. Air Frame Player Units 								\dashv	_						╗	7	\dashv	\dashv	┪	_	\dashv	-	4	-	4	_			
- Fixed Wing Player Units	5 F	FY01	٨	4	0	4	4	_	_	4	_	_						\dashv	\dashv	-	\dashv	-	4	4	4		_		
								_		4					٦	٦		_	\dashv	┥	_	\dashv	\dashv	႕	4	4	_	\Box	
E. Crew Served Weapons Surrogate	6 F	FY01		16	0	16	16	\dashv	\dashv	\dashv							7	\dashv	\dashv		-	4	4	\dashv	4	_	_		
									\dashv	_	4	_						\dashv	\dashv	+	\dashv	\dashv	4	+	\dashv	_	4		
 Cmd, Control, and Commo Center 	7 F	FY01	4	-	0	-	-	1	+	4	_					7	7	\dashv	+	ᆉ	\dashv	\dashv	4	\dashv	\dashv	4	_		
								\dashv	\dashv	-	_	_			T	7	7	\dashv	\dashv	\dashv	\dashv	4	4	+	4	4	4		
 J. Audio Visual Cue Devices 								\dashv	-	_	_						\dashv	\dashv	\dashv	\dashv	\dashv	+	4	+	4	4	4		
- Launchers		FY01	٨	150	150			-	\dashv	\dashv	4					1	┪	┪	┥	┥	\dashv	\dashv	4	-	4	4	_		
- Cartridges	8 T	FY01	4	250	250			\dashv	+	4	_					7		1	+	+		-	4	4	-	4	_		
								\dashv	_	4	_				T			1	\dashv	\dashv	\dashv	-	4	\dashv	\dashv	4	4		
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	_				7			1	4	\dashv							7	1	4	┪	┨	4	4	-	-	4	4		
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Σu	<u> </u>		PRODUCTION RATES	KA ES	Ť	REACHED	Number	r ģ				ā	Prior 1 Oct.	1 Oct. After 1	₹ ₹	After 1 Oct.	٦	Affer∝	MITR After 1 Oct.	-	After 1 Oct	걸	- 40	REMARKS Based on Cu	2 F	rent fu	nding	REMARKS Based on current funding profile, each	each
R NAME / LOCATION	_	MIN	1-8-5	10	MAX.	۵	4		INTIAL		L	L	2			-	T		9	H	17	_	್ .	besqr	uent F	¥ will	emulat	subsequent FY will emulate schedule of	Jule of
TBD (Weapons Perfo								ř	REORDER	æ	Ц	Ц	9	П		٥	Ħ		16	Н	16	g	<u> </u>	itial p	oducti ment	on. 2 m ≧	F.R. 6	initial production. MFR: 6 months	3 Confibe
2 TBD (Micro Programmable Electronics)	H							<u> </u>	INITIAL		Ц	Ц		П			T			\dashv			5. S	prild	. 2 Př.	s mon	ths to t	production in a months to hit, 4 months to build, 2 plus months to test and ship.	ship.
3 Various (Player UnitInterface Kits)	$\frac{1}{1}$		0.00	1	2			2	REORDER	2	4	4	ı	T	ı	ı	t	ı	l	╁	ı	ı	T	roduc	ion ra	es are	Production rates are for all cost	cost	
4 Lockheed Martin, Akron, Ohio (DMT PU & TCM)	1	3	OC 7	t	8			<u> </u>	RFORDFR	ļ,	\downarrow						Ť			+			ē T	emen	ts with	in fun	elements within funding line.	oj.	
6 TBD (Crew Served Weapons Player Units)							L		INITIAL		Ц	Ц	П	П			П			Н									
7 Various (Command, Control and Communications Center)	+	1		†				2	REORDER	œ	4	1	١	T	ı	ı	1	l	1	+	ļ		_						
8 Cubic, San Diego, CA (Audio Visual Cue Devices)	+	1		\dagger	T			≧ ŏ	INI IAL	٩	+	1		Ī		l	Ť			+			Т						
	-	1		1	1				Š	4	1	4		1	ı	ı	1	ı	l	1			-	ı	l				

Exhibit P-40,	Budget Item Justification Sheet

								Date:				
		Exhibit P-40, Budget		em Justific	tem Justification Sheet					February 2000		
Appropriation / Budget Activity/Serial No:	al No:					P-1 Item Nomenclature:	re:					
tio .	OTHER PROCUREMENT / 3 / Other Support Equipment	/3/Other Support	quipment						MA8975 (MA8975)			
Program Elements for Code B Items:	:sı			Code:	Other Related Program Elements:	am Elements:						
	Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Qty												
Gross Cost	2.2	2.2	4.1	5.9	4.4	2.3	6.3	4.6	4.7	4.9	0.0	41.6
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	2.2	2.2	4.1	5.9	4.4	2.3	6.3	4.6	4.7	4.9	0.0	41.6
Initial Spares												
Total Proc Cost	2.2	2.2	4.1	5.9	4.4	2.3	6.3	4.6	4.7	4.9	0:0	41.6
Flyaway U/C												
Wpn Sys Proc U/C												

mission capability for a classified program. Current industry practice of minimizing inventory and manufacturing only to order has caused revisions in operational plans that formerly depended on rapid procurements. Reduced demand for heavy industrial process components and the subsequent shrinkage of the U.S. manufacturing base in casting, forging, and fabrication have caused lead times to exceed the acceptable mobilization period. Procurement of these components will ensure successful JUSTIFICATION: FY 01 funds will provide for the replacement of critical components that are approaching end of shelf-life and new equipment required to maintain mission responses to emergency situations. THIS PAGE INTENTIONALLY LEFT BLANK

Exhibit P-40,	adget Item Justification Sheet
	Bud

								Date:				
		Exhibit P-4	Exhibit P-40, Budget Item Justification Sheet	em Justific	ation Sheet					February 2000		
Appropriation / Budget Activity/Serial No:	al No:	C legal of a statute				P-1 Item Nomenclature:	ire:	SEL	INITIAL SPABES - TSV (DS1000)	(1000)		
	OTHER PROCURE	OTHER PROCUREMENT / 4 / Initial Spares								(2007)		
Program Elements for Code B Items:	:S:			Code:	Other Related Program Elements:	am Elements:						
	Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Oty												
Gross Cost	0.1	0.1	0.1	4.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	4.8
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	0.1	0.1	0.1	4.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	4.8
Initial Spares												
Total Proc Cost	0.1	0.1	0.1	4.4	0.1	0.0	0.0	0:0	0.0	0.0	0.0	4.8
Flyaway U/C												
Wpn Sys Proc U/C												

DESCRIPTION: Provides for procurement of spares to support initial fielding of new or modified end items.

JUSTIFICATION: The funds in this account procure depot level reparable (DLR) secondary items from the Supply Management, Army activity of the Army Working Capital Fund. To provide initial support, funds are normally required in the same year that end items are fielded. Initial spares breakout.

FY01		
FY00	۲.	√.
FY99	<u>55</u>	2 i
FY98	PEO Other FMTV	Total

								Date:				
		Exhibit P-40, Budget		em Justific	tem Justification Sheet					February 2000		
Appropriation / Budget Activity/Serial No:	tal No:					P-1 Item Nomenclature:	re:	THE REAL PROPERTY OF THE PROPE	00/ 110/ 010/00	60,60		
	OTHER PROCURE	OTHER PROCUREMENT / 4 / Initial Spares	ares					NI IN	INITIAL SPARES - CAE (BS9100)	SETUD)		
Program Elements for Code B Items:	ms:			Code:	Other Related Program Elements:	am Elements:						
	Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Qty												
Gross Cost	63.1	56.5	41.1	58.5	43.3	40.2	47.6	44.0	43.4	53.3	0.0	491.1
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	63.1	56.5	41.1	58.5	43.3	40.2	47.6	44.0	43.4	53.3	0.0	491.1
Initial Spares												
Total Proc Cost	63.1	56.5	41.1	58.5	43.3	40.2	47.6	44.0	43.4	53.3	0.0	491.1
Fiyaway U/C												
Wpn Sys Proc U/C												

DESCRIPTION: Provides for procurement of spares to support initial fielding of new or modified end items.

JUSTIFICATION: The funds in this account procure depot level reparable (DLR) secondary items from the Supply Management, Army activity of the Army Working Capital Fund. To provide initial support, funds are normally required in the same year that end items are fielded. Initial spares breakout.

FY01	0.7		6.2	2.5	1.9		5.2	0.7
	0.8							0.7
FY99	5.3	4.6	5.9	2.9	5.1	9.0	1.7	
FY98	2.5	2.1	6.1	5.4	5.3	6.0	1.1	~
	ADDS	SCAMP	JTARS	Non-PEO	FAAD GBS	PEO CCS-Other	SMART-T	ASAS

					Date	
	Exhibit P-40C Budget Item Justification Sheet	3udget Iter	m Justific		February 2000	
Appropriation / Budget Activity/Serial No.					P-1 Item Nomendature	
OTHER PROCUREN	OTHER PROCUREMENT / 4 / Initial Spares				INITIAL SPARES - C&E (BS9100)	
Program Elements for Code B Items			Code	Other Related Program Elements	sm Elements	
DESCRIPTION: Provides for procurement of spares to	curement of spa	res to supp	oort initial f	ielding of nev	support initial fielding of new or modified end items.	
JUSTIFICATION: The funds in thi Capital Fund. To provide initial su	iis account procu upport, funds are	ire depot le normally	evel repara required in	able (DLR) se the same ye	JUSTIFICATION: The funds in this account procure depot level reparable (DLR) secondary items from the Supply Management, Army activity of the Army Working Capital Fund. To provide initial support, funds are normally required in the same year that end items are fielded. Initial spares breakout.	ne Army Working
	FY98	FY99	FY00	FY01		
PEO COMM-Other	_	6.4	6.9			
Defense SATCOM	5.7	14.8	11.8	11.2		
FAADC2	1.2	0.8	0.4	9.0		
CSSCS	0.3	0.2	0.2			
AFATDS	1.6	2.1	2.7	2.6		
PEO IEW-Other	2.5	4.1	2.9	2.9		
SINCGARS	1.6	0.7				-
PEO STAMIS	2.8	2.9	1.7	9.0		
FBCB2				0.0		
Total	1.1	58.1	43.1	42.4		

								Date:				
		Exhibit P-40, Budget I	0, Budget It	tem Justification Sheet	ation Sheet					February 2000		
Appropriation / Budget Activity/Serial No:	al No:					P-1 Item Nomenclature:	ire:					
	OTHER PROCURE	OTHER PROCUREMENT / 4 / Initial Spares	ares					INITIAL SPARES	INITIAL SPARES - OTHER SUPPORT EQUIP (MS3500)	EQUIP (MS3500)		
Program Elements for Code B Items:	:Sr			Code:	Other Related Program Elements:	am Elements:						
							0000	2000	¥000 X	EV 2005	To Complete	Total Brod
	Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	F1 2004	F1 2003	10 Collibrate	80
Proc Qtv												
Gross Cost	9.0	0.2	0.5	0.7	6:0	9.0	1.0	0.7	9.0	6.9	0.0	0.0
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	0.6	0.2	0.5	0.7	0.9	9:0	1.0	0.7	9.0	6.0	0.0	9.9
1 - 11 - 12 - 13 - 13 - 13 - 13 - 13 - 1												
initial opares				,	00	90	10	0.7	9.0	6:0	0.0	9.9
Total Proc Cost	9.0	0.2	0.0)io	6:0	25						
Flyaway U/C												
Won Svs Proc U/C												
DESCRIPTION: Provides for procurement of spares to support initial fielding of new or modified end items.	ovides for pro	curement of	spares to si	upport initial	fielding of ne	w or modifier	d end items.					

JUSTIFICATION: The funds in this account procure depot level reparable (DLR) secondary items from the Supply Management, army activity of the Army Working Capital Fund. To provide initial support, funds are normally required in the same year that end items are fielded. Initial spares breakout.

FY01	9.0
FY00	0.9
FY99	0.7
FY98	0.5
	INITIAL SPARES